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The Insulating Concrete Forms Manufacturers Association Prescriptive ICF Design for Part 9 Structures in Canada **Second Edition**

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ISULATING CONCRETE FORMS MANUFACTURERS ASSOCIATION The ICFMA Prescriptive ICF Design for Part 9 Structures in Canada Becond Edition

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Introduction

Preface

Welcome to the Second Edition of the ICFMA Prescriptive ICF Design Tables for Part 9 Buildings in Canada. The following guideline specifications were developed on behalf of the member companies of the Insulating Concrete Form Manufacturers Association (ICFMA) by Tacoma Engineers Inc. with offices in Ontario, Canada.

Objective

The objective of this manual is to provide Prescriptive Tables, Engineering Details and ICF product information that is code compliant for buildings constructed under Part 9 of the 2020 National Building Code of Canada. This manual provides code compliant information for Insulating Concrete Forms across each provincial region of Canada and contains a broad scope of residential designs that cover specific nuances of individual provincial regions. Each of the tables and designs cover the standard specifications for products manufactured or produced by members of the ICFMA. This guide is available in both English and French language versions.

Scope

Design information contained in this guide applies to belowgrade and above-grade ICF reinforced concrete walls, both load bearing and non-load bearing, that make up the exterior and/or interior of Part 9 buildings that fall within the limitations of this guide. Floor design/connections and roof design/connections are not covered in this guide and must be designed by others. Any other building component not specifically named in this guide must be designed by others or follow prescriptive provisions contained in the applicable building code. Fire resistance characteristics of ICF/concrete walls are not covered in this guide, but are available from your ICFMA member company upon request.

Applicability

The tables in this manual are the property of the ICFMA and are specific to products offered by ICFMA member companies. The tables are not authorized for use by nonmember ICF manufacturers or non-ICF methods of concrete forming. If specific questions arise about how to design or reference the tables in this manual of an ICFMA members product check with the technical department of that ICFMA member company. For example: Coursing height may vary between 12 inches and 18 inches depending on brand used. Horizontal tie spacing may vary between 6 inches and 12 inches. Product specific nuances may affect how the tables in the guide are used.

Design information contained in this document is limited to use in buildings described in Section 1 *"Design Parameters"* of the guide, including a maximum number of below-grade and above-grade stories as well as certain building size limitations. While the intent of this guide are the broadest applicability of Canada and it's individual provinces, there are some limits to applicability, including seismic response and wind loading. Building design may be limited by spans, deflection and aspect ratio among others.

CHECK ALL CONDITIONS THAT APPLY TO YOUR SITE AND BUILDING DESIGN TO ENSURE COMPATIBILITY WITH THE LIMITATIONS STATED IN SECTION 1 OF THIS GUIDE BEFORE PROCEEDING WITH ITS USE.

Engineered Design

These tables and specifications have been developed and reviewed against the 2020 National Building Code of Canada and CSA A23.3 by Tacoma Engineers. www.tacomaengineers.com Tables carry a stamp for all Canadian provinces. Check for a stamp applicable to your province before using or referring to the tables.

Review for code compliance will be carried out as building code and standards versions evolve. Check with your ICF member company for the most current guide version available.

Errata

All efforts have been made to create a publication free from errors. If ICFMA is notified of or discovers errors, errata will be published and posted on the ICFMA website at <u>www.icfma.org</u>.

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Structural Design - National and Provincial Codes and Stamps

Tacoma Engineers has completed the structural design of the Insulating Concrete Forms Manufacturers Association (ICFMA) Prescriptive ICF Design Tables for Part 9 Buildings in Canada, in accordance with the 2020 National Building Code of Canada (NBCC).

This design guide is certified for Canadian provinces, as listed below: Ontario, British Columbia, Alberta, Saskatchewan, Manitoba, Nova Scotia, Prince Edward Island, and New Brunswick.

In addition to the 2020 NBCC, this design guide has also been reviewed and is certified for conformance to the following building codes and regulations:

Ontario: 2024 Ontario Building Code, effective January 2025

Nova Scotia: 2020 NBCC adopted by Nova Scotia Building Code, effective April 2025. Alberta: 2023 Alberta Building Code as in effect March 2024.

British Columbia: 2023 British Columbia Building Code as in effect March 2024.

Manitoba: 2024 Manitoba Building Code as in effect January 2024.

Saskatchewan: 2020 NBCC Adopted by the Province of Saskatchewan as in effect in January 2024.

New Brunswick: 2020 NBCC Adopted by the Province of New Brunswick, effective April 2025.

Prince Edward Island: 2020 NBCC Adopted by the Province of Prince Edward Island on March, 2024. Newfoundland and Labrador: 2020 NBCC Adopted by Newfoundland and Labrador Regulation.

This page includes the stamps and seals for these provinces. Due to space limitations, other pages are only stamped with an Ontario stamp.









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Design Limitation

The design tables included in this manual were determined based on the parameters provided in this section. These tables cannot be used if the proposed construction does not meet all the parameters provided in this section or in the tables.

1. Design Parameters

- 1.1. These tables only apply to residential buildings conforming to Part 9 of the 2020 National Building Code of Canada (NBCC).
- 1.2. If the proposed construction does not meet the design or applicability of parameters noted herein, a local design professional shall be retained to prepare the design in accordance with applicable standards.
- 1.3. This design manual applies only to flat ICF walls (concrete core of uniform thickness). All walls must line up vertically.
- 1.4. In case this document conflicts with design codes, standards and building regulations, the code provisions shall apply.
- 1.5. The design and construction of all work shall conform to the latest editions of the NBCC, the local building code, local regulations and bylaws and the occupational health and safety act.
- 1.6. These tables have been designed to resist gravity, wind and earthquake forces in accordance with the 2020 NBCC for the criteria indicated in the design limitations and in the design tables.
- 1.7. Design is limited to one (1) floor below grade and a maximum of two (2) stories above grade.
- 1.8. The maximum building dimensions are:

	Building Area	300 m ²	3200 ft ²	
	Maximum Building Dimension	24.4 m	80 ft	
INS	Building Aspect Ratio (Length:Width) $S_{a,ICF} \leq 0.16$	R 2.5:1	FOF	RMS
MA	S _{a,ICF} > 0.16 Roof Clear Span	2:1 12.2 m		ION
	Floor Clear Span	7.32 m	24 ft	
	Second Floor Wall Height	3.05 m	10 ft	
	Main Floor Wall Height	4.88 m	16 ft	
	Foundation Wall Height	3.66 m	12 ft	

Note: $S_{a,ICF}$ is the equivalent spectral response acceleration for ICF walls, provided in Appendix A.



1.9. The maximum unfactored gravity loads are:

Roof Snow	4.0 kPa	84 psf
Floor Live	1.9 kPa	40 psf
Roof Dead	0.7 kPa	15 psf
Floor Dead	0.7 kPa	15 psf
Concrete Density	23.6 kN/m ³	150 lb/ft ³
Brick Veneer Density	20.0 kN/m ³	128 lb/ft ³

1.10. The lateral soil pressures against below grade walls are:

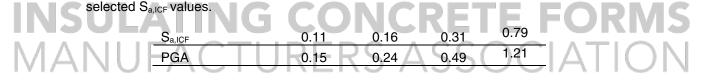
Area Surcharge (K _o = 0.5)	2.4 kPa	50 psf
Equivalent Fluid Density of Soil ($K_{\circ} = 1.0$)	480 – 1200 kg/m ³	30 – 75 pcf

- 1.11. The wind loads are indicated in the design tables.
- 1.12. Seismic limits in wall analysis and design are based on S_a (0.2) and S_a (0.5) values. In order to simplify the tables, an equivalent seismic spectral response acceleration for ICF walls, S_{a,ICF} is defined and provided in Appendix A. Equivalent spectral response, S_{a,ICF}, is the ratio of seismic base shear to the building weight for a site class "D" as given in following equation and the limits are indicated in shear wall tables.

$S_{a,ICF} = V_{seismic} / W$

A professional engineer must design the ICF walls for locations where the $S_{a,ICF}$ is not provided in Appendix A.

1.13. The following peak ground acceleration (PGA) data was used in the analysis of below grade walls. These are the maximum associated values from Climatic Data of the 2020 NBCC for the



- 1.14. Only seismic site classes A, B, C and D, as defined in Part 4 of the NBCC, are permitted.
- 1.15. Wall and lintel deflections have been limited to L/360.
- 1.16. The maximum building aspect ratio is the longest plan dimension divided by the shortest plan dimension of the building. Attached garages can be excluded from the aspect ratio calculation provided they are separated from the main building by ICF walls meeting the requirements of this guide.

2. Construction

- 2.1. Except as noted otherwise for specific conditions, the design assumes that ALL walls are laterally supported by the building foundation, roof and floor systems, designed by others. Roof and floor systems can be designed in accordance with part 9 of NBCC or building system manufacturers.
- 2.2. Foundation walls shall be laterally supported at the top and bottom prior to backfilling.



- 2.3. Provide lateral support at the bottom of the foundation wall in accordance with NBCC 2020 part 9.15.4.4. Alternatively, dowel the wall to the footing as per Table F. 1.
- 2.4. The contractor shall make adequate provision for construction loads and temporary bracing to keep the structure plumb and in true alignment at all phases of construction.
- 2.5. Hydrostatic pressure due to water build-up has not been included in the design and analysis. Backfill shall be drained in accordance with NBCC 2020 9.4.4.6.
- 2.6. Surface grading around the foundation is to slope away from building to allow surface water to drain away.
- 2.7. Provide adequate frost protection for all foundation walls and footings, both during construction and in the final installation.
- 2.8. Construction joints shall be made and located so as not to impair the strength of the structure. All specified reinforcing bars shall have minimum lap lengths across all construction joints.
- 2.9. Construction joints shall not be installed within 610 mm (2ft) of a wall opening.
- 2.10. All dimensions are in millimeters unless noted otherwise.
- 2.11. It is the responsibility of the roof and floor designer to ensure adequate bearing for all framing members is provided on the concrete walls.

3. Concrete

- 3.1. Concrete work shall conform to the latest editions of CSA A23.1,2,3 for materials and workmanship.
- 3.2. The minimum 28-day compressive strength of concrete shall be 25 MPa, for 6" thick walls and 20 MPa for other walls.
- 3.3. Maximum size of aggregates in concrete walls with minimum concrete cover of 40mm, are to be 19mm (3/4") diameter. Maximum aggregate size shall be limited to 12.5mm (1/2") if the concrete cover is less than 40mm.
- 3.4. Concrete pours shall be terminated at locations of lateral support.
- 3.5. Use high frequency vibration to place all concrete. Extra care is needed when vibrating during concrete placement for the purpose of ensuring a homogenous aggregate distribution, without segregation.

Take adequate measures to protect concrete from exposure to freezing temperatures and precipitation at least seven days after concrete placement.

4. Reinforcing Steel

- 4.1. Use Grade 400 deformed rebar placed in accordance with the manual of standard practice.
- 4.2. Reinforcement size, spacing and placement to be in accordance with notes and design tables for above grade walls, below grade walls and lintels.
- 4.3. 10M bars may be installed as distributed steel where 15M bars are specified provided they are installed at half the spacing required for 15M bars. 15M bars may be installed as distributed steel where 10M bars are specified, but must be installed at the same spacing as specified for the 10M bars.
- 4.4. Maintain a minimum concrete clear cover and reinforcement spacing of 40mm (1 ½") for all reinforcing steel, except 20mm (3/4") cover is permitted for below grade walls of heated buildings. The minimum concrete covers must be maintained for vertical bars in below grade walls.



3.6.

- 4.5. Where bars within a lintel cannot achieve a minimum concrete side cover and spacing of 40mm (1½"), the bars are required to be bundled. The following notes apply to all bundled bars:
 - a) Groups of parallel reinforcing bars bundled in contact, assumed to act as a unit, with not more than four in any one bundle, may be used. Bundled bars shall be tied, wired, or otherwise fastened together to ensure that they remain in position.
 - b) Bundled bars shall not be spliced over the span of any lintel.
- 4.6. Minimum bar lap length shall be:
 - a) 450 mm (18") for 10M bars
 - b) 650 mm (26") for 15M bars
 - c) 750 mm (30") for 20M bars
- 4.7. Standard hook lengths shall be:
 - a) 200 mm (8") for 10M bars
 - b) 250 mm (10") for 15M bars
 - c) 300 mm (12") for 20M bars
- 4.8. Maximum transverse spacing (gap) between non-contact parallel bars spliced by lap splices, shall not exceed the lesser of one-fifth of the required lap splices length or 150mm.
- 4.9. Guidance was taken from PCA 100-2017 Prescriptive Design of Exterior Walls for One- and Two-Family Dwellings where steel reinforcement does not meet the minimum requirements of CSA A23.3 Clause 14.1. References to research conducted by PCA for these conditions are included in PCA 100-2017.
- 4.10. Where the vertical wall reinforcement spacing exceeds maximum spacing requirements according to CSA A23.3 Clause 14.1 the design capacity is at least one third more than required.

11. Horizontal temperature and shrinkage reinforcing steel may be less than specified in CSA A23.3. This is due to ideal curing conditions within the ICF system, which reduce the risk of cracking. In addition, finishes are not applied directly to the concrete wall; therefore, the risk of potential cracks propagating to the surface of the finishes is minimized.

5. Above Grade and Below Grade Walls

- 5.1. Wall thicknesses given in above and below grade wall tables are the nominal thicknesses. The actual thickness of the wall may vary by $\pm \frac{1}{4}$ ".
- 5.2. Above grade and below grade walls are designed to resist out-of-plane and in-plane loads by providing the specified reinforcing steel.
- 5.3. Provide horizontal and vertical distributed steel throughout all walls as described in the Distributed Reinforcing Steel section.
- 5.4. Provide additional concentrated horizontal and vertical steel around door and window openings, beside stair openings, under point loads, and at the ends of all walls and at all corners as described in the Window and Door Openings, Stair Openings, Concentrated Point Loads and Shear Walls sections.



- 5.5. The specified reinforcing is applicable to building with walkout basements. However, the global slope stability and building stability for unbalance soil pressures created by the walkout condition is by others.
- 5.6. Provide 600 mm (24") \times 600 mm (24") horizontal bent dowel at each corner of the walls. Size and spacing of the dowel should match the horizontal reinforcement as per above and below grade tables.

5.1. Distributed Reinforcing Steel

- 5.1.1. Horizontal reinforcing is to consist of 10M or 15M continuous bars at 300 mm (12") o.c. to 900mm (36") o.c., in accordance with the tables.
- 5.1.2. Provide one continuous horizontal bar at maximum 150mm (6") from the top of the wall and at all floor levels.
- 5.1.3. Tables B. 1. 1, B. 2. 1, B. 3. 1 and B. 4. 1 provide the necessary distributed vertical steel to resist the out-of-plane loads for below grade ICF walls with 6" tie spacing.
- 5.1.4. Tables B. 1. 2, B. 2. 2, B. 3. 2 and B. 4. 2 provide the necessary distributed vertical steel to resist the out-of-plane loads for below grade ICF walls with 8" tie spacing.
- 5.1.5. Tables A. 1. 1 and A. 2. 1 provide the necessary distributed vertical steel to resist the out-of-plane loads for above grade ICF walls with 6" tie spacing.
- 5.1.6. Tables A. 2. 1 and A. 2. 2 provide the necessary distributed vertical steel to resist the out-of-plane loads for above grade ICF walls with 8" tie spacing.
- 5.1.7. Interpolation within the tables is not permitted.
- 5.1.8. Any table may be used where the local wind and seismic design values do not exceed the maximum values given in the table.
- 5.1.9. All basement walls in a building with a walkout condition shall be reinforced as a below grade wall for the maximum backfill height. Place the reinforcing in the center of the wall where the basement wall does not support any backfill.
- 5.1.10. The vertical distributed reinforcing bar spacing given in millimeters in the tables is the nominal dimension, the bar spacing in inches is the exact dimension. The vertical bar spacing is given as multiples of the form web spacing.
- 5.1.11. For walls below grade, the vertical reinforcing is to be placed on the inside face of the wall as shown in Detail B. 1.
- 5.1.12. For walls above grade, the vertical reinforcing is to be placed in the middle of the wall as shown in Detail A. 1.
- 5.1.13. Walls above grade formed using 300mm (12") forms shall have all distributed steel placed in two equal layers. One layer is to be placed in the exterior third of the wall and the other layer in the interior third of the wall as shown in Detail A. 2.
- 5.1.14. The height of an above grade wall is the distance from the top of the floor connection at its base to the bottom of the floor or roof connection at its top, as shown in Detail A. 12.
- 5.1.15. The height of a below grade wall is the distance from the top of the basement floor slab to the point of bearing for the floor system, as shown in Detail A. 12.
- 5.1.16. Backfill height against a below grade wall is the distance from the top of the basement floor slab to the finished exterior grade level.



- 5.1.17. Alternating horizontal bar spacing of 12" o.c. and 24" o.c. may be used to achieve an average spacing of 18" o.c. where 18" o.c. spacing is specified for horizontal bars as shown in Detail A. 3.
- 5.1.18. Provide three horizontal bars in every two rows of 18" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars as shown in Detail A. 4.
- 5.1.19. Provide four horizontal bars in every three rows of 16" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars as shown in Detail A. 5.
- 5.1.20. Alternating vertical bar spacing of 8" o.c. and 16" o.c. may be used to achieve an average spacing of 12" o.c. where 12" o.c. spacing is specified for vertical bars as shown in Detail A. 6.
- 5.1.21. Distributed reinforcing in a wall shall not be less than that required for the wall above.

5.2. Shear Walls

- 5.2.1. Shear walls are solid ICF wall segments between openings and corners.
- 5.2.2. Openings 150mm (6") in diameter and less are permitted within a shear wall, provided they do not occur within 300mm (12") of the ends of the shear wall.
- 5.2.3. Shear walls are designed for buildings with or without walkout basement. Wall configurations for building without and with walkout basement are shown in Detail A. 7 and Detail A. 8, respectively.Wall configurations for walkout basement walls are shown in Detail A. 9.
- 5.2.4. A minimum number and length of shear walls is required on all four sides of the building on all levels as specified in shear wall tables (A.3 3200 to A.11 800) for above-grade walls where the building area is less than or equal to 3200 ft2.

This is to replace the requirements for 100 mm (4'-0")long wall segments at each corner in exterior walls specified in NBCC 9.20.17.2. (1) and 9.20.17.4. (1).

These Tables are designated by area overall of the building footprint as follows:

- Use Tables A.3 3200 to A.11 3200 for building areas between 2,401 sf through 3,200 sf
- Use Tables A.3.2400 to A.11 2400 for building areas between 1,601 sf through 2,400 sf
- Use Tables A.3 1600 to A.11 1600 for building areas between 801 sf through 1,600 sf
 - Use Tables A.3. 800 to A.11. 800 for building area 800 sf and under.
- 5.2.5. Below grade walls shall have the same number and length of shear walls as required for the walls immediately above.
- 5.2.6. All walls shall be proportionally and evenly distributed in both the transverse and longitudinal direction of the building.
- 5.2.7. Two 15M full height vertical reinforcing bars are to be installed at the ends of all required shear walls in accordance with Detail A. 10. These bars are referred to as concentrated reinforcement and are in addition to the distributed reinforcement specified elsewhere.
- 5.2.8. Matching dowels are to be provided for the concentrated and distributed vertical reinforcement at the base of all required shear walls into floor below as shown in Detail A. 11.
- 5.2.9. Horizontal reinforcement in shear walls where $S_{a,ICF} > 0.16$ shall be terminated at the ends of the wall with a standard hook.



5.3. Concentrated Point Loads on Walls

- 5.3.1. All point loads, such as concentrated loads created by girder trusses, columns and beams, shall bear directly on top of the concrete wall, and shall not be hung or in any other manner create an eccentric loading on the concrete wall. Provide beam pockets, as necessary.
- 5.3.2. The minimum length of solid wall without openings directly below point loads, such as concentrated loads created by girder trusses, columns and beams, shall be 6'-0". In addition to the wall reinforcing required in the following tables, two additional 15M vertical bars shall be installed directly below the point load. This length of solid wall may contain a corner.
- 5.3.3. Use Table C. 1 for the maximum unfactored point load that can be applied on a solid wall without opening if length of the wall is less than 6'-0".
- 5.3.4. Maximum un-factored point loads given in Table C. 1 are only the wall capacity. It is the responsibility of the roof and floor designer to ensure adequate bearing for all framing members is provided on the concrete walls.

5.4. Window and Door Openings

- 5.4.1. The cumulative width of openings in above grade walls shall not be more than 70% of the total wall length.
- 5.4.2. The cumulative width of openings in below grade walls shall not be more than 25% of the total wall length.
- 5.4.3. Openings in below grade walls shall not exceed a maximum width of 1.83m (6'-0") and a maximum height of 0.914m (3'-0").
- 5.4.4. The length of solid wall between two openings in below grade walls shall be equal to the average width of the openings and at least 1.22m (4'-0").
- 5.4.5. A minimum of 2-10M bars is to be installed completely around all sides of openings.
- 5.4.6. Provide additional horizontal reinforcing steel directly above the opening as required for lintels.
- 5.4.7. Horizontal bars above and below the opening shall extend a minimum of 610mm (24") past opening.
- 5.4.8. Vertical bars on each side of the opening shall extend the full height of the wall.
- 5.4.9. Distributed vertical reinforcing steel that is interrupted by an opening shall be replaced by an equal amount of concentrated vertical reinforcing steel with half placed on each side of the opening. The additional steel is to be evenly distributed within a distance equal to half the opening width, up to a maximum of 1.22m (4'-0"), from each side of the opening.
- 5.4.10. If the spacing of the additional concentrated vertical reinforcing required on each side of openings, described in the previous note, is less than 150mm (6"), a local design professional shall be retained to prepare the design in accordance with applicable standards.
- 5.4.11. Provide additional vertical reinforcing at the sides of openings as required at the ends of shear walls.

5.4.1. Lintels

5.4.1.1. All concrete wall segments above openings are to be considered lintels.

- 5.4.1.2. The top of all lintels is to be laterally supported by the roof and floor systems, designed by others.
- 5.4.1.3. Lintels shall be a minimum of 200mm (8") deep.



- 5.4.1.4. Lintel bottom reinforcing is to be installed a maximum of 89mm (3½") from the bottom of the lintel and is to extend a minimum of 610mm (24") past the wall opening.
- 5.4.1.5. A minimum of 2-10M bars is to be installed completely around all sides of openings, as shown in Detail L. 1.
- 5.4.1.6. Where stirrups are required for lintels with uniformly distributed load, they shall be single 10M hook stirrups installed around bottom and top bars over the given end distance at each side of the beam as shown in Detail L. 2.
- 5.4.1.7. Where stirrups are required for lintels with concentrated load, they shall be single 10M hook stirrups installed around bottom and top bars over the whole length of the beam. 5.4.1.4.
- 5.4.1.8. Minimum lintel reinforcing is to consist of bottom bars indicated in the design tables, along with horizontal 10M continuous wall reinforcing at 406mm (16") on center, and a minimum of 1-10M top bar located 50mm (2") from the top of the lintel, as shown in Detail L. 3.
- 5.4.1.9. Provide a minimum of three stirrups in all lintels at the spacing indicated in the tables when $S_{a,ICF} > 0.16$.
- 5.4.1.10. The lintel design tables are only applicable for uniformly distributed gravity line loads and point loads, such as concentrated loads created by girder trusses, columns and beams.
- 5.4.1.11. Concentrated load lintel tables consider only a single concentrated load acting on anywhere along the lintel span.
- 5.4.1.12. The lintel tables do not consider uniform and concentrated load to act simultaneously on the lintel.
- 5.4.1.13. The uniformly distributed load (UDL) is calculated by multiplying the roof and/or floor loads, including snow load (SL), live load (LL) and dead load (DL), by the tributary width (TW) of the roof and/or floor. The tributary width is determined by adding half the span of each rafter/joist bearing on the concrete lintel. For example, the UDL for a lintel supporting floor joists spanning 10'-0" and roof trusses spanning 30'-0" on one side only is calculated as follows:

```
\begin{split} &\text{UDL} = \text{TW}_{\text{FLOOR}} * (\text{LL}_{\text{FLOOR}} + \text{DL}_{\text{FLOOR}}) + \text{TW}_{\text{ROOF}} * (\text{SL}_{\text{ROOF}} + \text{DL}_{\text{fROOF}}) \\ &\text{UDL} = (10 \text{ ft/2}) * (40 \text{ psf} + 15 \text{ psf}) + (30 \text{ ft/2}) * (84 \text{ psf} + 15 \text{ psf}) \\ &\text{UDL} = 275 \text{ lbs/ft} + 1485 \text{ lbs/ft} = 1760 \text{ lbs/ft} \end{split}
```

The weight of walls above the lintel has been included in the design of the lintel tables and does not need to be added to the UDL calculated as described above.

- 5.4.1.15. Where there is less than 305mm (12") of wall between openings, the lintel shall be reinforced to span over both openings, as shown in Detail L. 4.
- 5.4.1.16. Where there is less than 610mm (24") of wall between openings, and openings are greater than 1.53m (5'-0") in length, the lintel shall be reinforced to span over both openings, as shown in Detail L. 5.

5.5. Stair Openings

5.4.1.14.

- 5.5.1. Additional reinforcement is to be provided in exterior walls where a stair opening interrupts the required lateral support provided by the floor framing.
- 5.5.2. Table A. 12. provides the maximum dimension of stair opening parallel to the wall and the required horizontal reinforcement of above grade walls at stair opening.
- 5.5.3. Table B. 5. provides the maximum dimension of stair opening parallel to the wall and the required horizontal reinforcement of below grade walls at stair opening. Below grade walls at stair openings are designed for a backfill equivalent fluid density of 480 kg/m3 and a maximum S_a(0.2)



of 0.7. Reinforcement design of below grade walls at stair openings shall be reviewed by a professional engineer if the wall does not meet the requirement of this table.

- 5.5.4. Lateral restraint of the wall is to be provided by the floor framing on each side of the stair opening, by others.
- 5.5.5. The spacing of distributed vertical reinforcement is to be reduced for a distance of 1.22m (4'-0") on each side of the stair opening for above grade and below grade walls. The required spacing is calculated by the following equation and listed in Table A. 13.

$S_{\text{REDUCED}} = 2.44/(L_{\text{UNSUPPORTED}} + 2.44) * S_{\text{TABLES}}$	(METRIC)
$S_{\text{REDUCED}} = 8/(L_{\text{UNSUPPORTED}} + 8) * S_{\text{TABLES}}$	(IMPERIAL)

where

 S_{REDUCED} = the bar spacing (mm/in) required at the sides of the stair opening.

 S_{TABLES} = the required bar spacing (mm/in) for a laterally supported wall as determined from above grade and below grade walls tables.

 $L_{\text{UNSUPPORTED}}$ = the length of wall (m/ft) that is laterally unsupported as a result of a stair opening in the floor framing.

5.5.6. If the stair opening is out of the scope of design limitations for stair opening table, additional distributed horizontal reinforcing bars are to be added at the stair opening as specified by a professional engineer.

5.6. Laterally Supported Unreinforced Foundation Wall

- 5.6.1. Foundation walls in this section are designed for backfill equivalent fluid density of 480 kg/m³ in accordance with section 9.4.4.6 of NBCC 2020.
- 5.6.2. If the foundation wall is laterally supported at the top (e.g. by floor joists) and meets all the requirements of NBCC 2020 section 9.15.4, and supports only wood frame construction above, a 20 MPa unreinforced concrete wall is adequate for the specific wall and backfill height, as per NBCC 2020 table 9.15.4.2.A, shown in Detail B. 2.
- 5.6.3. Use below grade wall tables if the height of the wall and / or backfilled soil is greater than the maximum values of Table B. 6.
- 5.6.4. Use below grade wall tables for walls supporting ICF wall above.

5.7. Laterally Unsupported Foundation Walls (Knee Wall) with Wood Framing Above

- 5.7.1. If the foundation wall is not supported at the top (e.g. by floor joists) and supports only wood frame construction above, the design can follow the knee wall design as shown in Details B.3 and B.4. The design includes both the footing sizing and reinforcing of the footing and wall.
- 5.7.2. If heights of backfilled soil and / or foundation wall are greater than what shown in these details, reinforcement design of the wall must be reviewed by a professional engineer.
- 5.7.3. Foundations are to bear directly on material suitable for 75 kPa (1566 psf) bearing pressure.

6. Wood Ledger Connection

6.1. Anchor bolts are designed to transfer vertical load of floor to the ICF wall. Design of floor diaphragm by others.



- 6.2. Design loads are 40psf (1.9 kPa) floor live load, 15psf (0.7 kPa) floor dead load.
- 6.3. Anchor bolts are to be staggered as shown in Detail C. 1. Use Table C. 2. for size and spacing of the anchors.

7. Brick Ledge

- 7.1. The concrete ledge is to support uniformly distributed loads only. It is not to support concentrated load. A brick ledge section is shown in Detail C. 2.
- 7.2. Table C. 3. provide the brick ledge capacity as the total height of brick veneer or tributary width of a floor that can be supported per unit length of the brick ledge.
- 7.3. The capacity given in Table C. 3. is only for the capacity of the brick ledge. The veneer height may be limited by other building code requirement or manufacturer's installation requirements.
- 7.4. The above grade and below grade wall reinforcing tables include the effects of using the ledge to support floor framing.
- 7.5. The below grade wall reinforcing tables include the effects of using the ledge to support masonry veneer.
- 7.6. The maximum brick height given does not account for windows. To include the effect of windows, it is necessary to calculate an effective brick height.
- 7.7. The ledge reinforcement is 10M hooked rebar, as shown in Detail C. 2 or FOXBLOCKS xLerator as shown in Detail C. 3. It is to be placed 6" or 8" on center matching the tie spacing of ICF blocks.

8. Strip Footing

- 8.1. Tables F. 2. to F. 4. provide minimum width and thickness of footing for different loadings and soil bearing pressures.
- 8.2. Soft areas uncovered during excavation shall be sub-excavated to sound material and filled with clean and free drained granular soil.
- 8.3. Protect soil from freezing adjacent to and below all footings.
- 8.4. All footings are to be reinforced with 2-15M continuous bars, as per Detail F. 1.
- 8.5. Tables F. 2. to F. 4. do not include masonry veneer. Increase the footing width by 2" and the thickness by 1" for:
 - a. Every 12'-0" of masonry veneer for 3000psf soil bearing capacity.
 - b. Every 10'-0" of masonry veneer for 2500psf soil bearing capacity.
 - c. Every 8'-0" of masonry veneer for 2000psf soil bearing capacity.
 - d. Every 6'-0" of masonry veneer for 1500psf soil bearing capacity.
- 8.6. The footing size for locations with Sa (0.2) > 0.4 to be the larger of 30" wide by 12" deep or the size shown in the table.
- 8.7. Provide footing dowels as shown in Detail F. 1.
- 8.8. Footing dowels are 10M or 15M bars embedded 6" or 8" into the footing. Dowels size and spacing is given in Table F. 1.



8.9. Provide bent dowels as per Note. 4 of Table F. 1, at shear walls locations matching the size and spacing of vertical bars of the shear walls.

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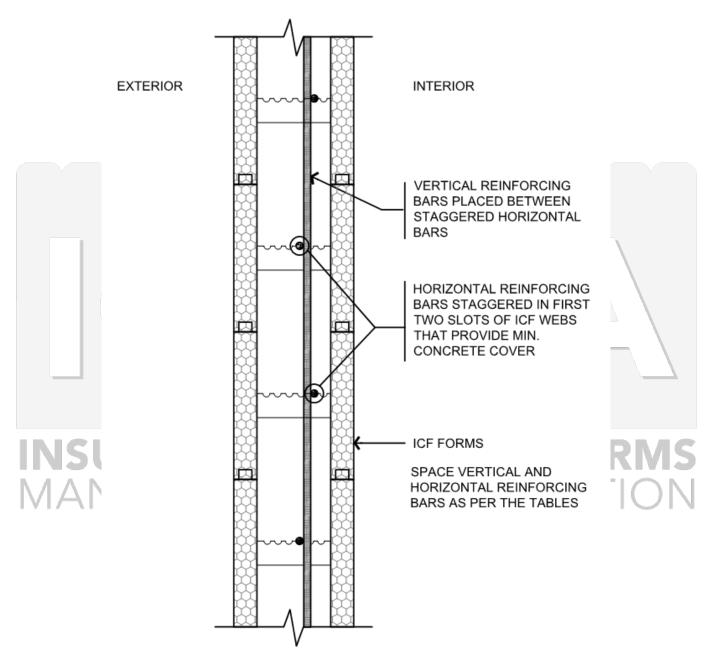
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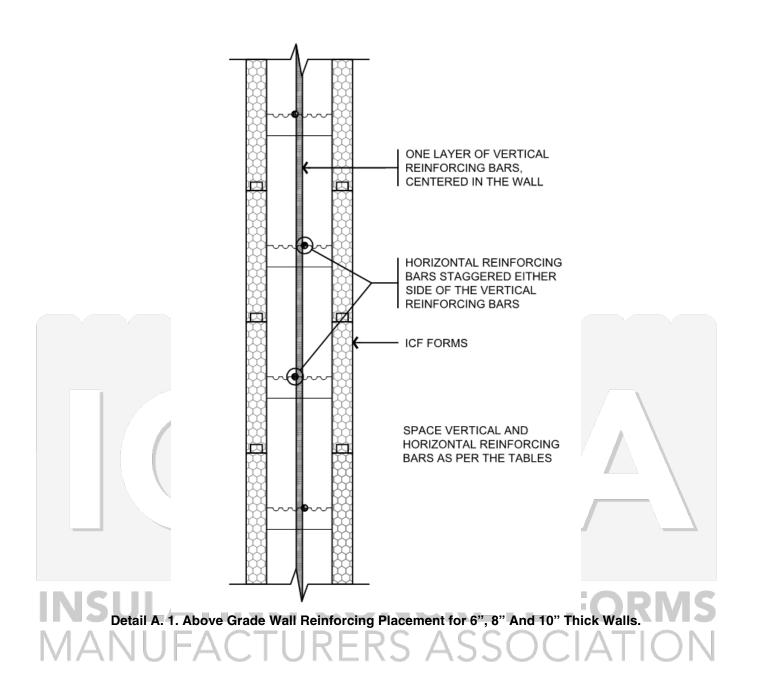
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Below & Above Grade Walls Details and Tables

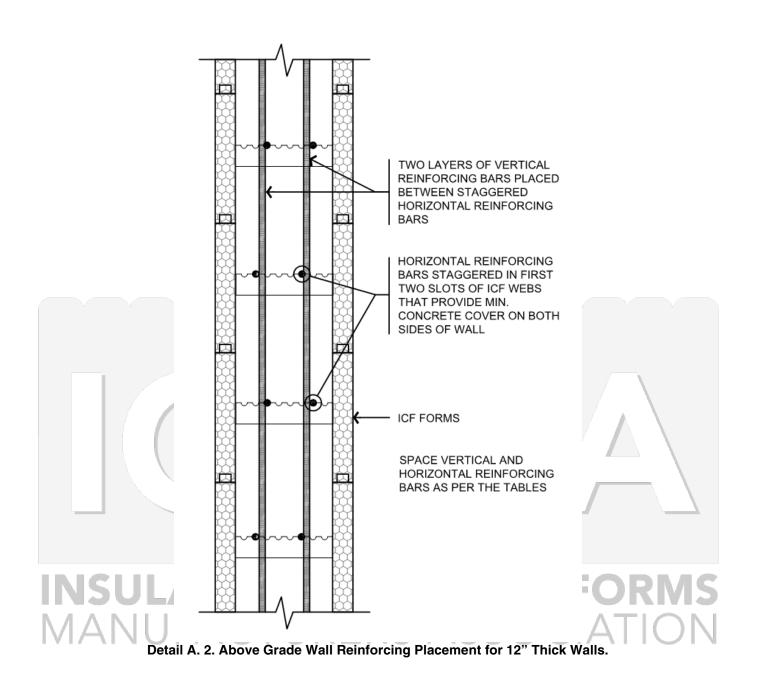


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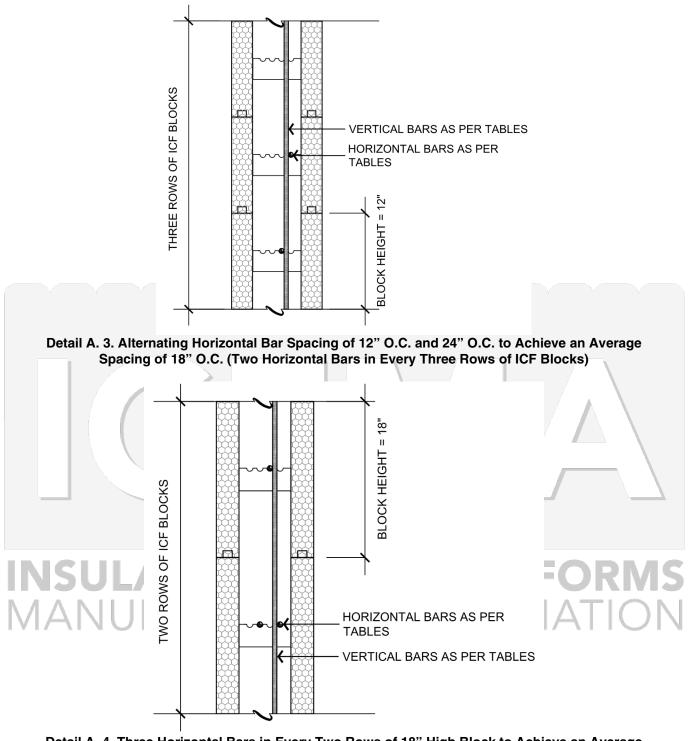






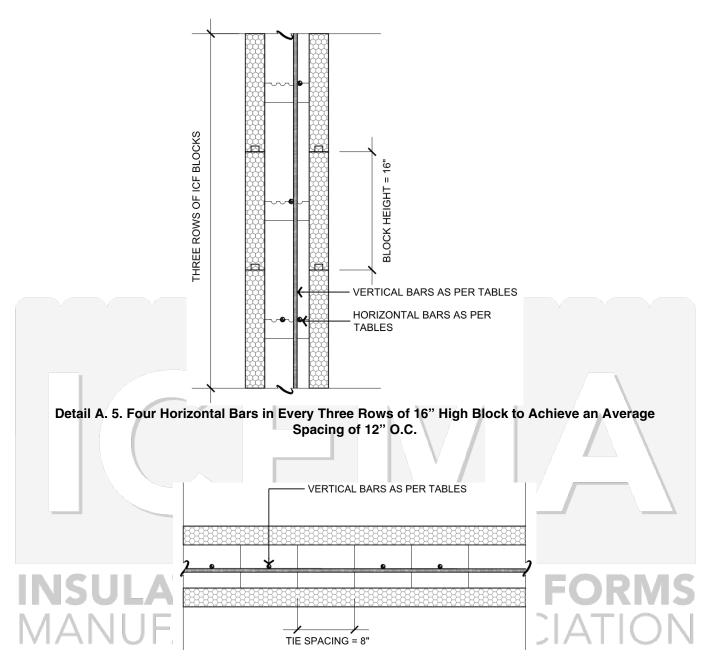






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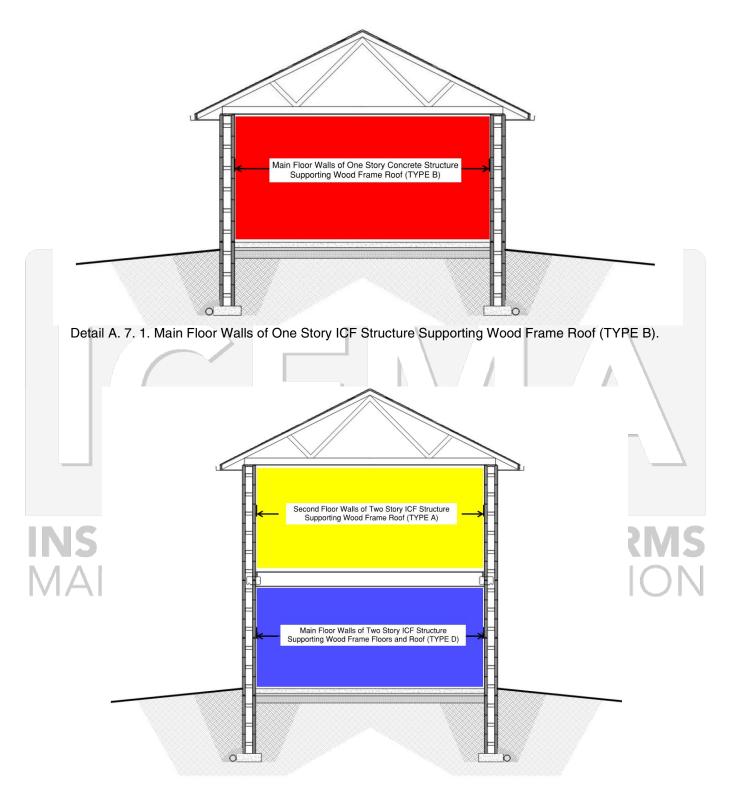




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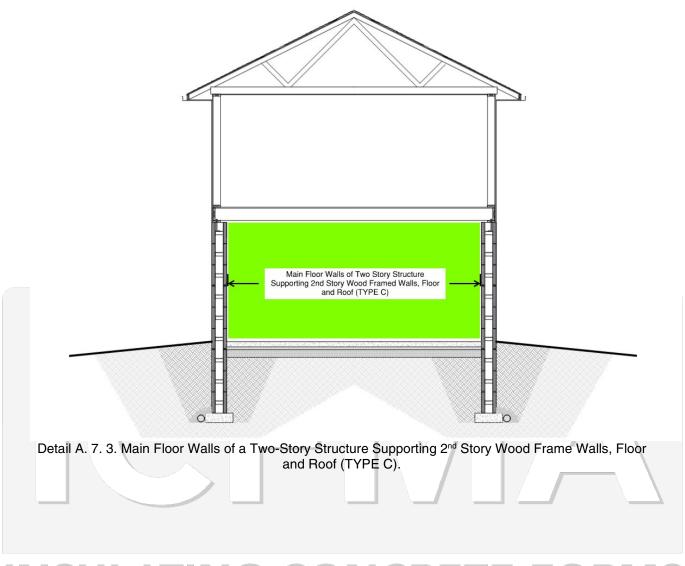


Detail A. 7. Wall Configurations in a Building Without Walkout Basement



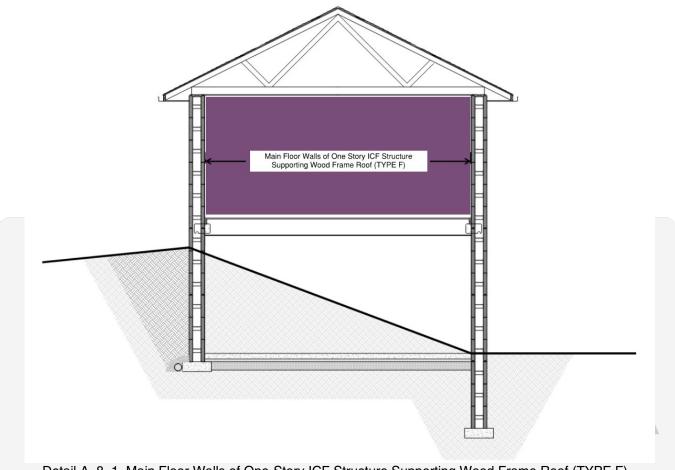
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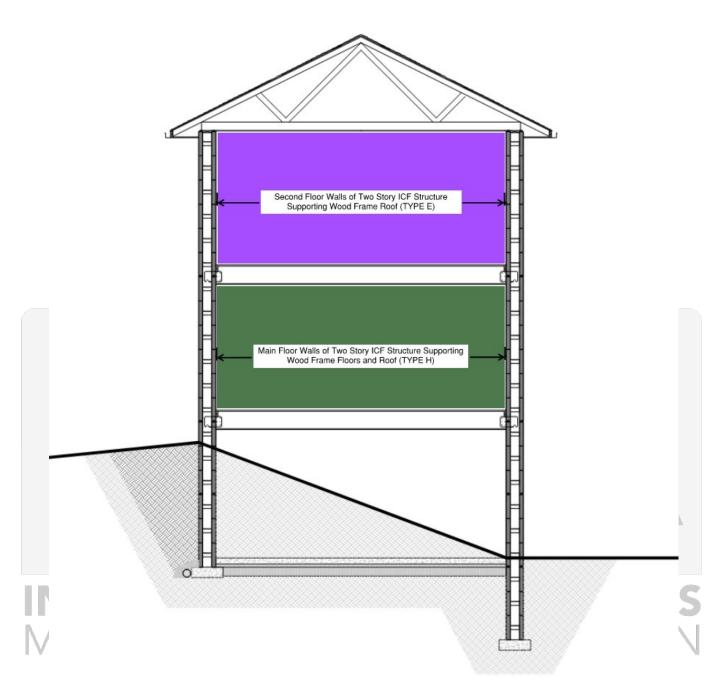


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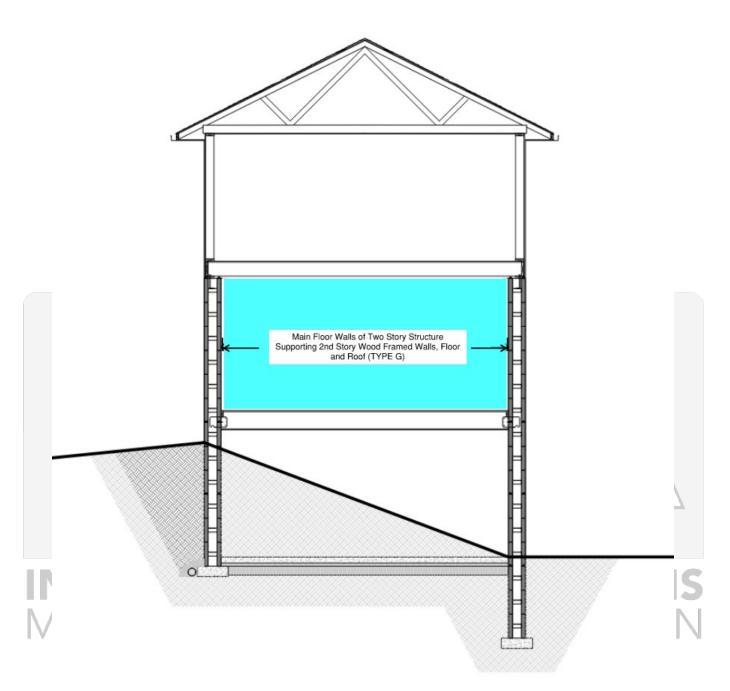
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Detail A. 8. 2. Second Floor Walls of a Two-Story ICF Structure Supporting Wood Frame Roof & Main Floor Walls of a Two-Story ICF Structure Supporting Wood Frame Floors and Roof (TYPE E & H).

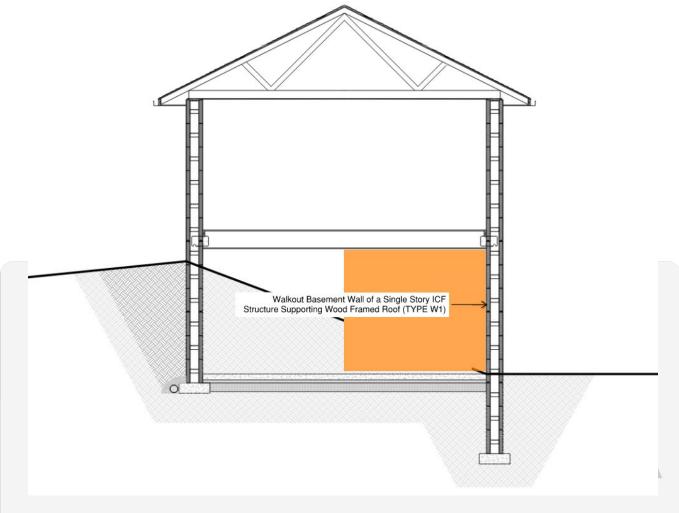




Detail A. 8. 3. Main Floor Walls of a Two-Story Structure Supporting 2nd Story Wood Frame Walls, Floor and Roof (TYPE G).



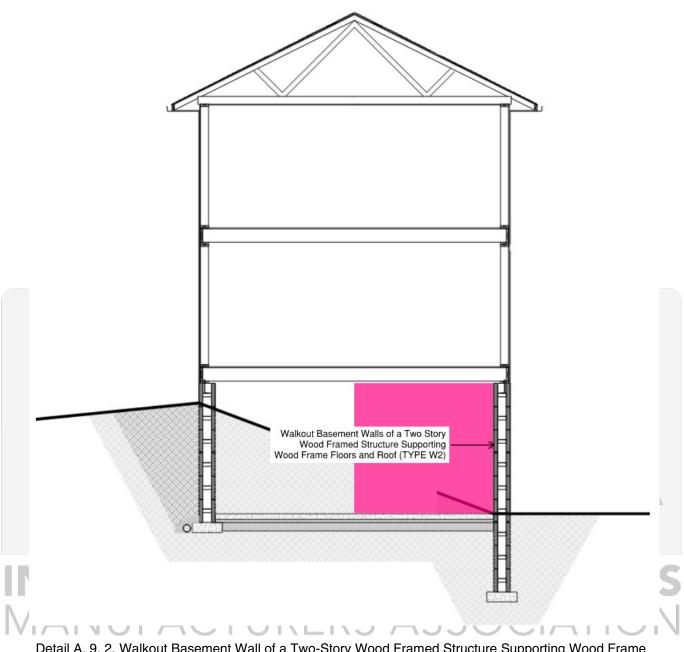
Detail A. 9. Walkout Basement Wall Configurations



Detail A. 9. 1. Walkout Basement Wall of a Single-Story ICF Structure Supporting Wood Framed Roof

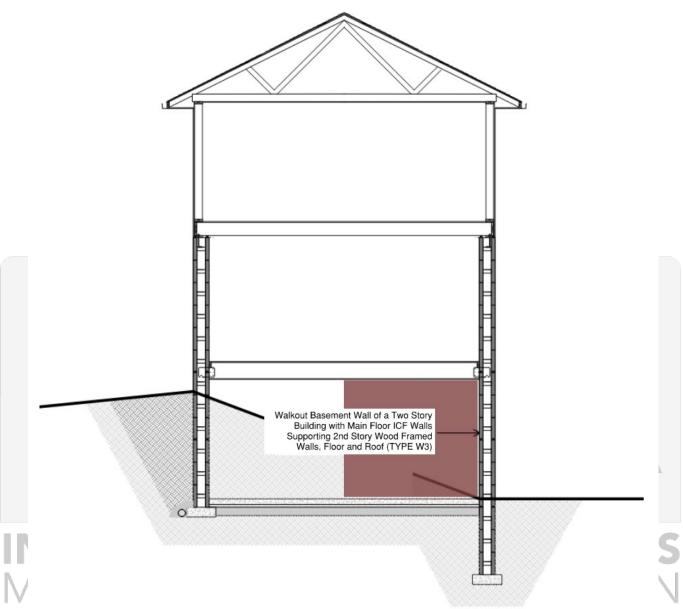
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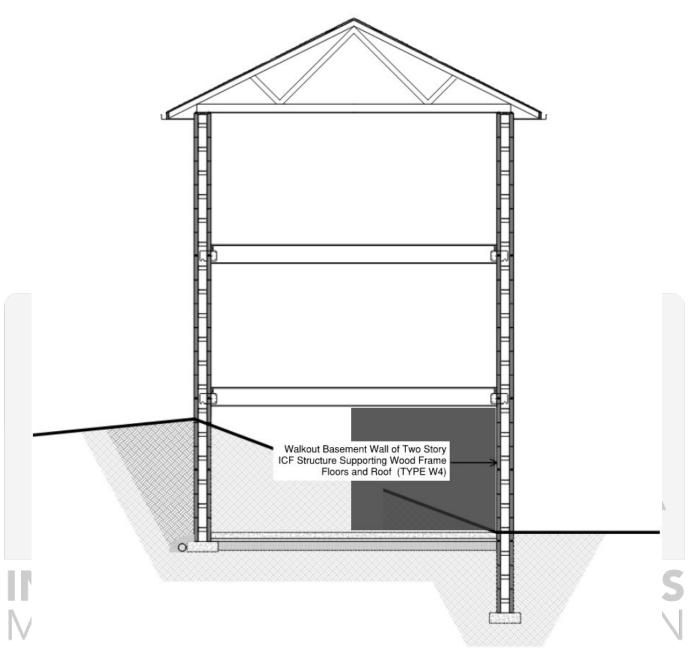
Detail A. 9. 2. Walkout Basement Wall of a Two-Story Wood Framed Structure Supporting Wood Frame Floors and Roof (TYPE W2).





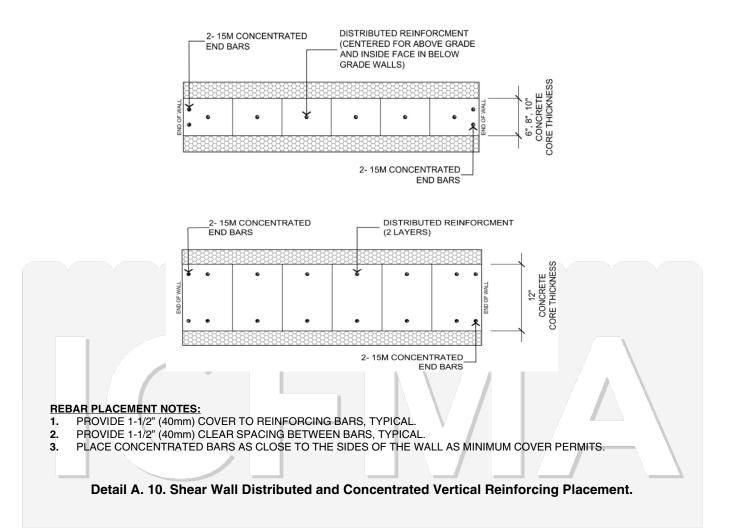
Detail A. 9. 3. Walkout Basement Wall of a Two-Story Building with Main Floor ICF Walls Supporting Second Story Wood Framed Walls, Floor and Roof (TYPE W3).





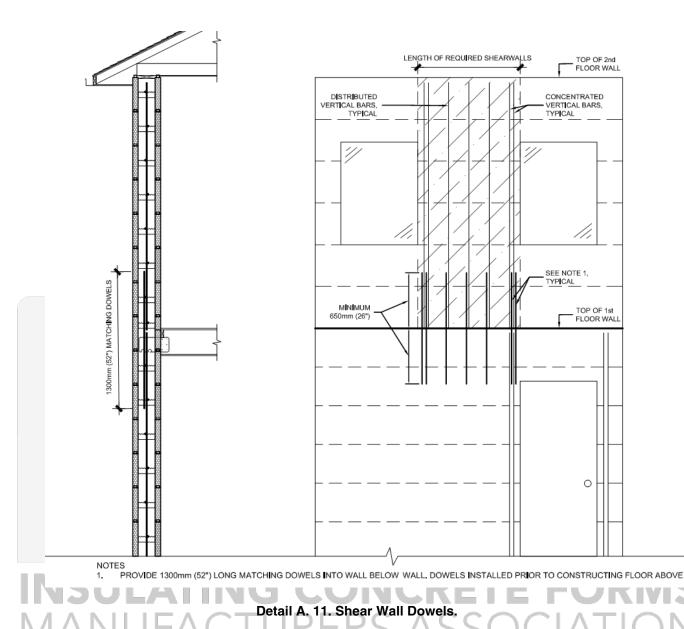
Detail A. 9. 4. Walkout Basement Wall of a Two-Story ICF Structure Supporting Wood Frame Floors, and Roof (TYPE W4).



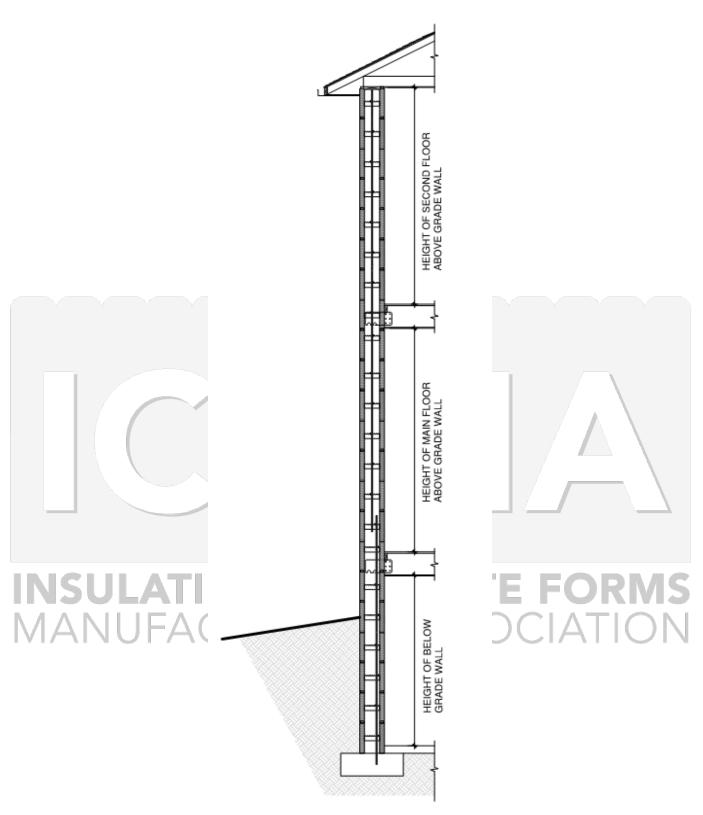


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Detail A. 12. Above and Below Grade Wall Height.



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Table B.1.1.– Below Grade Wall Distributed Reinforcement for Seismic Zone Classification, $S_{a,ICF} \le 0.11$ and Hourly Wind Pressure, $q_{1/50} \le 1.05$ kPa, for ICF Walls with <u>6" Tie Spacing</u>

		, í	1	,	Vertical Steel (S	ize and Spacing)			
Wall	Backfill					ent Fluid Density			
Height	Height		480 kg/m ³	(30 pcf)		Í	720 kg/m ³	(45 pcf)	
m (ft)	m (ft)	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (12")	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (1
(10)		25MPa Wall	Wall	Wall	Wall	25MPa Wall	Wall	Wall	Wall
	1.22 (4.0)	10 M @ 450 (18)	10 M @ 750 (30)	10 M @ 900 (36)	10 M @ 900 (36)	10 M @ 30 (1)	10 M @ 600 (24)	10 M @ 900 (36)	10 M @ 900 (3
2.44	1.53 (5.0)	15 M @ 600 (24)	10 M @ 600 (24)	10 M @ 750 (30)	10 M @ 900 (36)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 750 (30)	10 M @ 900 (3
(8.0)	1.83 (6.0)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 750 (30)	10 M @ 900 (36)	15 M @ 450 (18)	15 M @ 750 (30)	10 M @ 600 (24)	10 M @ 750 (3
	2.13 (7.0)	15 M @ 450 (18)	15 M @ 750 (30)	10 M @ 600 (24)	10 M @ 600 (24)	15 M @ 450 (18)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 600 (2
	2.44 (8.0)	15 M @ 450 (18)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 450 (18)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 900 (3
	1.22 (4.0)	15 M @ 750 (30)	10 M @ 600 (24)	10 M @ 900 (36)	10 M @ 900 (36)	15 M @ 750 (30)	10 M @ 600 (24)	10 M @ 750 (30)	10 M @ 900 (3
2.74	1.53 (5.0)	15 M @ 750 (30)	10 M @ 450 (18)	10 M @ 750 (30)	10 M @ 900 (36)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 600 (24)	10 M @ 900 (3
(9.0)	1.83 (6.0)	15 M @ 600 (24)	15 M @ 900 (36)	10 M @ 600 (24)	10 M @ 750 (30)	15 M @ 450 (18)	15 M @ 750 (30)	10 M @ 450 (18)	10 M @ 600 (2
	2.13 (7.0)	15 M @ 450 (18)	15 M @ 750 (30)	10 M @ 450 (18)	10 M @ 600 (24)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 750 (30)	15 M @ 900 (3
	2.44 (8.0)	15 M @ 300 (12)	15 M @ 600 (24)	15 M @ 750 (30)	15 M @ 900 (36)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 600 (2
	2.74 (9.0)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 750 (30)	15 M @ 150 (6)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 450 (1
	1.22 (4.0)	15 M @ 750 (30)	10 M @ 600 (24)	10 M @ 900 (36)	10 M @ 900 (36)	15 M @ 750 (30)	10 M @ 450 (18)	10 M @ 750 (30)	10 M @ 900 (3
3.05	1.53 (5.0)	15 M @ 600 (24)	15 M @ 900 (36)	10 M @ 600 (24)	10 M @ 900 (36)	15 M @ 600 (24)	15 M @ 750 (30)	10 M @ 600 (24)	10 M @ 750 (3
(10.0)	1.83 (6.0)	15 M @ 450 (18)	15 M @ 750 (30)	10 M @ 600 (24)	10 M @ 750 (30)	15 M @ 450 (18)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 450 (1
	2.13 (7.0)	15 M @ 450 (18)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 600 (24)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 750 (3
	2.44 (8.0)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 750 (30)	15 M @ 900 (36)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 600 (2
	2.74 (9.0)	15 M @ 150 (6)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 750 (30)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (1
	3.05 (10.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 300 (1
W.	1.22 (4.0)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 750 (30)	10 M @ 900 (36)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 600 (24)	10 M @ 900 (3
3.35	1.53 (5.0)	15 M @ 600 (24)	15 M @ 900 (36)	10 M @ 600 (24)	10 M @ 750 (30)	15 M @ 450 (18)	15 M @ 750 (30)	10 M @ 450 (18)	10 M @ 600 (2
(11.0)	1.83 (6.0)	15 M @ 450 (18)	15 M @ 750 (30)	10 M @ 450 (18)	10 M @ 600 (24)	15 M @ 450 (18)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 450 (1
	2.13 (7.0)	15 M @ 300 (12)	15 M @ 600 (24)	15 M @ 750 (30)	15 M @ 900 (36)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 750 (3
	2.44 (8.0)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 750 (30)	15 M @ 150 (6)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 600 (2
	2.74 (9.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (1
	3.05 (10.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (1
	3.35 (11.0)				15 M @ 450 (18)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (1
	1.22 (4.0)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 750 (30)	10 M @ 900 (36)	15 M @ 600 (24)		1	10 M @ 900 (3
3.66	1.53 (5.0)	15 M @ 600 (24)	15 M @ 750 (30)	10 M @ 450 (18)		15 M @ 450 (18)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 600 (2
(12.0)	1.83 (6.0)	15 M @ 450 (18)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 600 (24)	15 M @ 300 (12)	15 M @ 600 (24)	15 M @ 750 (30)	15 M @ 900 (3
	2.13 (7.0)	15 M @ 300 (12)	15 M @ 600 (24)	15 M @ 750 (30)	15 M @ 900 (36)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 750 (3
	2.44 (8.0)	15 M @ 150 (6)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 750 (30)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (1
	2.74 (9.0)	15 M @ 150 (6)		15 M @ 450 (18)		15 M @ 150 (6)		15 M @ 450 (18)	
	3.05 (10.0)	15 M @ 150 (6)			15 M @ 450 (18)	15 M @ 150 (6)	15 M @ 150 (6)		15 M @ 300 (1
	3.35 (11.0)		15 M @ 150 (6)	15 M @ 300 (12)			15 M @ 150 (6)	15 M @ 300 (12)	
	3.66 (12.0)		15 M @ 150 (6)		15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (1
Horizontal	Block Height of 12" and 18"	10 M @ 900 (36)		10 M @ 900 (36)		10 M @ 900 (36)		100	10 M @ 900 (3
	Block Height of 16"	10 M @ 800 (32)	10 M @ 800 (32)			<u> </u>		10 M @ 800 (32)	

NOTES:

З.

 For highlighted data, where the below grade wall meets all the requirements of NBCC Part 9 for a solid concrete foundation wall and supports only wood frame construction above, a 20MPa unreinforced wall is adequate as per 2020 NBCC table 9.15.4.2.A. Provide the reinforcing shown for walls supporting ICF walls above or with brick veneer supported with the brick ledge form.
 Below grade walls supporting "Drained Earth" in accordance with 2020 NBCC 9.4.4.6 may be designed for an equivalent fluid pressure

Below grade walls supporting "Drained Earth" in accordance with 2020 NBCC 9.4.4.6 may be designed for an equivalent fluid pressure of 480 kg/m3.

This table is to be used in conjunction with the "Design Limitations" and "Below Grade Reinforcement Placement" drawing.

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Table B.1.1. Continued - Below Grade Wall Distributed Reinforcement for Seismic Zone Classification, $S_{a,ICF} \le 0.11$ and Hourly Wind Pressure, $q_{1/50} \le 1.05$ kPa, for ICF Walls with <u>6" Tie</u> <u>Spacing</u>

	Block Height of 16"	10 M @ 800 (32)	10 M @ 800 (32						
Horizontal	Block Height of 12" and 18"	10 M @ 900 (36)	10 M @ 900 (36						
	3.66 (12.0)			15 M @ 150 (6)	15 M @ 150 (6)			15 M @ 150 (6)	15 M @ 150 (6)
	3.35 (11.0)			15 M @ 150 (6)	15 M @ 300 (12)			15 M @ 150 (6)	15 M @ 150 (6)
	3.05 (10.0)	100 (0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)			15 M @ 150 (6)	15 M @ 300 (1
	2.74 (9.0)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	.0	15 M @ 150 (12)	15 M @ 300 (12)	15 M @ 300 (1
	2.44 (8.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 300 (12)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (1
(12.0)	2.13 (7.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (30)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (1
(12.0)	1.83 (6.0)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 750 (30)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 600 (2
3.66	1.53 (5.0)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 750 (30)	10 M @ 450 (30)	15 M @ 450 (18)	15 M @ 450 (30)	15 M @ 750 (30)	15 M @ 900 (3
-	1.22 (4.0)	15 M @ 600 (24)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 750 (30)	15 M @ 450 (18)	15 M @ 750 (30)	15 M @ 900 (36)	10 M @ 600 (2
	3.35 (11.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	1	10 10 (0)	15 M @ 150 (6)	15 M @ 300 (1
	3.05 (10.0)	.00 (0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (1
	2.74 (9.0)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (1
	2.44 (8.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (
(11.0)	2.13 (7.0)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (1
(11.0)	1.83 (6.0)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 750 (30)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 600 (
3.35	1.53 (5.0)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 900 (36)	10 M @ 450 (18)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 750 (30)	10 M @ 450 (
, W	1.22 (4.0)	15 M @ 600 (24)	15 M @ 600 (24)	10 M @ 600 (24)	10 M @ 750 (30)	15 M @ 600 (24)	15 M @ 750 (30)	15 M @ 900 (36)	10 M @ 750 (
	3.05 (10.0)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (
	2.74 (9.0)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (
	2.44 (8.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 400 (
(10.0)	2.13 (7.0)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (
(10.0)	1.83 (6.0)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 750 (30)	15 M @ 900 (36)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 750 (3
3.05	1.53 (5.0)	15 M @ 450 (18)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 600 (24)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 900 (36)	10 M @ 450 (1
	1.22 (4.0)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 600 (24)	10 M @ 900 (36)	15 M @ 600 (24)	15 M @ 750 (30)	15 M @ 900 (36)	10 M @ 750 (
	2.74 (9.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (
	2.44 (8.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (2
(9.0)	2.13 (7.0)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 600 (24)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 600 (2
(9.0)	1.53 (5.0) 1.83 (6.0)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 750 (30)	10 M @ 600 (24)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 900 (2
2.74	1.22 (4.0)	15 M @ 600 (24) 15 M @ 450 (18)	10 M @ 450 (18) 15 M @ 600 (24)	10 M @ 600 (24) 15 M @ 750 (30)	10 M @ 900 (36) 10 M @ 750 (30)	15 M @ 600 (24) 15 M @ 450 (18)	15 M @ 900 (36) 15 M @ 600 (24)	10 M @ 450 (18) 15 M @ 900 (36)	10 M @ 750 (3 10 M @ 600 (2
	2.44 (8.0)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 750 (30)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (1
	2.13 (7.0)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 900 (36)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 750 (3
(8.0)	1.83 (6.0)	15 M @ 450 (18)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 600 (24)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 750 (30)	15 M @ 900 (3
2.44	1.53 (5.0)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 600 (24)	10 M @ 900 (36)	15 M @ 450 (18)	15 M @ 750 (30)	15 M @ 900 (36)	10 M @ 750 (3
	1.22 (4.0)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 750 (30)	10 M @ 900 (36)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 750 (30)	10 M @ 900 (3
		25MPa Wall	Wall	Wall	Wall	25MPa Wall	Wall	Wall	Wall
(ft)	m (ft)	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (12")	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (1
m	Height		960 kg/m ³	(60 pcf)			1200 kg/m	³ (75 pcf)	
Wall Height	Backfill				Backfill Equival	ent Fluid Density			

For highlighted data, where the below grade wall meets all the requirements of NBCC Part 9 for a solid concrete foundation wall and 1. supports only wood frame construction above, a 20MPa unreinforced wall is adequate as per 2020 NBCC table 9.15.4.2.A. Provide the reinforcing shown for walls supporting ICF walls above or with brick veneer supported with the brick ledge form. 2.

Below grade walls supporting "Drained Earth" in accordance with 2020 NBCC 9.4.4.6 may be designed for an equivalent fluid pressure of 480 kg/m3.

This table is to be used in conjunction with the "Design Limitations" and "Below Grade Reinforcement Placement" drawing.





3.

Table B.1.2.– Below Grade Wall Distributed Reinforcement for Seismic Zone Classification, Sa,ICF ≤ 0.11 and Hourly Wind Pressure, $q_{1/50} \le 1.05$ kPa, for ICF Walls with <u>8" Tie Spacing</u>

Wall	Backfill				-	ize and Spacing) ent Fluid Density			
Height	Height		480 kg/m	1 ³ (30 pcf)			720 ka/n	n ³ (45 pcf)	
m (ft)	m (ft)	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (12")	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (*
()		25MPa Wall	Wall	Wall	Wall	25MPa Wall	Wall	Wall	Wall
	1.22 (4.0)	10 M @ 400 (16)	10 M @ 600 (24)	10 M @ 800 (32)	10 M @ 800 (32)	10 M @ 400 (16)	10 M @ 600 (24)	10 M @ 800 (32)	10 M @ 800 (3
2.44	1.53 (5.0)	10 M @ 400 (16)	10 M @ 600 (24)	10 M @ 800 (32)	10 M @ 800 (32)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 800 (32)	10 M @ 800 (3
(8.0)	1.83 (6.0)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 600 (24)	10 M @ 800 (32)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 600 (24)	10 M @ 800 (3
	2.13 (7.0)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 600 (24)	10 M @ 600 (24)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 600 (2
	2.44 (8.0)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 600 (24)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 800 (3
	1.22 (4.0)	15 M @ 800 (32)	10 M @ 600 (24)	10 M @ 800 (32)	10 M @ 800 (32)	15 M @ 800 (32)	10 M @ 600 (24)	10 M @ 800 (32)	10 M @ 800 (3
2.74	1.53 (5.0)	15 M @ 800 (32)	10 M @ 400 (16)	10 M @ 800 (32)	10 M @ 800 (32)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 600 (24)	10 M @ 800 (3
(9.0)	1.83 (6.0)	15 M @ 600 (24)	15 M @ 800 (32)	10 M @ 600 (24)	10 M @ 800 (32)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 600 (2
	2.13 (7.0)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 600 (24)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 800 (3
	2.44 (8.0)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 800 (32)	15 M @ 800 (32)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (2
	2.74 (9.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 800 (32)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 400 (1
	1.22 (4.0)	15 M @ 600 (24)	10 M @ 600 (24)	10 M @ 800 (32)	10 M @ 800 (32)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 600 (24)	10 M @ 800 (3
3.05	1.53 (5.0)		15 M @ 800 (32)		10 M @ 800 (32)	15 M @ 600 (24)	15 M @ 800 (32)	10 M @ 600 (24)	10 M @ 600 (2
(10.0)	1.83 (6.0)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 600 (24)	10 M @ 600 (24)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (1
	2.13 (7.0)		15 M @ 600 (24)		10 M @ 600 (24)				15 M @ 800 (3
	2.44 (8.0)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 800 (32)	15 M @ 200 (8)	15 M @ 400 (16)		15 M @ 600 (2
	2.74 (9.0)	15 M @ 200 (8)	15 M @ 400 (16)		15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 400 (16)	V = 1.1.1	15 M @ 400 (1
	3.05 (10.0)	15 M @ 200 (8)	15 M @ 400 (16)		15 M @ 600 (24)	15 M @ 200 (8)		15 M @ 400 (16)	15 M @ 400 (1
	1.22 (4.0)		10 M @ 400 (16)		10 M @ 800 (32)		10 M @ 400 (16)		10 M @ 800 (3
3.35	1.53 (5.0)		15 M @ 800 (32)		10 M @ 800 (32)		15 M @ 600 (24)		10 M @ 600 (2
(11.0)	1.83 (6.0)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 600 (24)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (1
. ,	2.13 (7.0)		15 M @ 600 (24)		15 M @ 800 (32)		15 M @ 400 (16)		15 M @ 800 (3
	2.44 (8.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 800 (32)	15 M @ 200 (8)	15 M @ 400 (16)		15 M @ 600 (2
	2.74 (9.0)	15 M @ 200 (8)	15 M @ 400 (16)		15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 300 (12)	/	15 M @ 400 (1
	3.05 (10.0)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 200 (8
	3.35 (11.0)		15 M @ 200 (8)		15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
	1.22 (4.0)	15 M @ 600 (24)	10 M @ 400 (16)		10 M @ 800 (32)	15 M @ 600 (24)	15 M @ 800 (32)	10 M @ 600 (24)	10 M @ 800 (3
3.66	1.53 (5.0)		15 M @ 800 (32)		10 M @ 600 (24)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			10 M @ 600 (2
(12.0)	1.83 (6.0)				10 M @ 600 (24)	15 M @ 400 (16)	15 M @ 600 (24)	1 I I I I I I I I I I I I I I I I I I I	15 M @ 800 (3
. ,	2.13 (7.0)		15 M @ 600 (24)		15 M @ 800 (32)	15 M @ 200 (8)	15 M @ 400 (16)	1	15 M @ 600 (2
	2.44 (8.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (24)	15 M @ 200 (8)		15 M @ 400 (16)	15 M @ 400 (1
	2.74 (9.0)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
	3.05 (10.0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
	3.35 (11.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
_	3.66 (12.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		S (4)	15 M @ 200 (8)	15 M @ 200 (8
Horizontal	Block Height of 12" and 18"	10 M @ 900 (36)				10 M @ 900 (36)	10 M @ 900 (36)		10 M @ 900 (3
	Block Height of 16"	10 M @ 800 (32)			-	_	_	-	10 M @ 800 (3

NOTES: 1

2.

For highlighted data, where the below grade wall meets all the requirements of NBCC Part 9 for a solid concrete foundation wall and supports only wood frame construction above, a 20MPa unreinforced wall is adequate as per 2020 NBCC table 9.15.4.2.A. Provide the reinforcing shown for walls supporting ICF walls above or with brick veneer supported with the brick ledge form. Below grade walls supporting "Drained Earth" in accordance with 2020 NBCC 9.4.4.6 may be designed for an equivalent fluid pressure of the pressure of the support of the su

480 kg/m3.

This table is to be used in conjunction with the "Design Limitations" and "Below Grade Reinforcement Placement" drawing.





The ICFMA Prescriptive ICF Design for Part 9 Structures in Canada Second Edition

Table B.1.2. Continued - Below Grade Wall Distributed Reinforcement for Seismic Zone Classification, $S_{a,ICF} \le 0.11$ and Hourly Wind Pressure, $q_{1/50} \le 1.05$ kPa, for ICF Walls with <u>8" Tie</u> <u>Spacing</u>

einforcement	Block Height of 16"	10 M @ 800 (32)	10 M @ 800 (32)	10 M @ 800 (32)	10 M @ 800 (32)	10 M @ 800 (32)	10 M @ 800 (32)	10 M @ 800 (32)	10 M @ 800 (32
Horizontal	Block Height of 12" and 18"	10 M @ 900 (36)	10 M @ 900 (36)	10 M @ 900 (36)	10 M @ 900 (36)	10 M @ 900 (36)	10 M @ 900 (36)	10 M @ 900 (36)	10 M @ 900 (36
	3.66 (12.0)			15 M @ 200 (8)	15 M @ 200 (8)			0 0	15 M @ 200 (8)
	3.35 (11.0)		0(0)	15 M @ 200 (8)	15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (8)
	3.05 (10.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		<u> </u>	15 M @ 200 (8)	15 M @ 200 (8)
	2.74 (9.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)
	2.44 (8.0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 200 (8)
(.2.0)	2.13 (7.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 200 (8)	15 M @ 400 (16)		15 M @ 400 (10
(12.0)	1.83 (6.0)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 800 (32)	15 M @ 200 (8)	15 M @ 400 (16)	/	15 M @ 600 (2
3.66	1.53 (5.0)		15 M @ 400 (16)		10 M @ 400 (16)		15 M @ 400 (16)		15 M @ 800 (3
-	1.22 (4.0)	15 M @ 600 (24)		10 M @ 400 (16)	10 M @ 800 (32)	15 M @ 400 (16)	15 M @ 600 (24)		10 M @ 600 (2
	3.35 (11.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		10 101 (@ 200 (0)	15 M @ 200 (8)	15 M @ 200 (8
	3.05 (10.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
	2.74 (9.0)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
	2.13 (7.0)	15 M @ 200 (8) 15 M @ 200 (8)	15 M @ 200 (18)	15 M @ 400 (18)	15 M @ 400 (24)	13 11 (200 (8)	15 M @ 200 (16) 15 M @ 200 (8)	15 M @ 400 (16) 15 M @ 400 (16)	15 M @ 200 (1
(11.0)	1.83 (6.0) 2.13 (7.0)	15 M @ 400 (16) 15 M @ 200 (8)	15 M @ 400 (16) 15 M @ 400 (16)	15 M @ 600 (24) 15 M @ 400 (16)	15 M @ 800 (32) 15 M @ 600 (24)	15 M @ 200 (8) 15 M @ 200 (8)	15 M @ 400 (16) 15 M @ 400 (16)	15 M @ 600 (24) 15 M @ 400 (16)	15 M @ 600 (2 15 M @ 400 (1
3.35	1.53 (5.0)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 800 (32)	10 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)		10 M @ 400 (1
2.25	1.22 (4.0)	15 M @ 600 (24)	15 M @ 600 (24)	10 M @ 600 (24)	10 M @ 800 (32)	15 M @ 600 (24)	15 M @ 800 (32)	15 M @ 800 (32)	10 M @ 600 (2
	3.05 (10.0)	45.44.00.000.000	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)	45 14 00 000 10 10	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
	2.74 (9.0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
	2.44 (8.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
	2.13 (7.0)	15 M @ 200 (8)		15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 200 (8)		15 M @ 400 (16)	15 M @ 400 (1
(10.0)	1.83 (6.0)		15 M @ 400 (16)		15 M @ 800 (32)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 600 (2
3.05	1.53 (5.0)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 600 (24)	15 M @ 400 (16)	15 M @ 600 (24)		10 M @ 400 (1
	1.22 (4.0)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 600 (24)	10 M @ 800 (32)		15 M @ 800 (32)	15 M @ 800 (32)	10 M @ 800 (3
	2.74 (9.0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15.14.0.000 (0.1)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 200 (8
	2.44 (8.0)	15 M @ 200 (8)		15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 200 (8)		15 M @ 400 (16)	15 M @ 400 (1
	2.13 (7.0)	15 M @ 200 (8)		15 M @ 600 (24)	15 M @ 600 (24)	15 M @ 200 (8)		15 M @ 400 (16)	15 M @ 600 (2
(9.0)	1.83 (6.0)		15 M @ 400 (16)		10 M @ 600 (24)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 800 (3
2.74	1.53 (5.0)		15 M @ 600 (24)		10 M @ 800 (32)	15 M @ 400 (16)	15 M @ 600 (24)		10 M @ 600 (2
	1.22 (4.0)		10 M @ 400 (16)		10 M @ 800 (32)	15 M @ 600 (24)	15 M @ 800 (32)		10 M @ 800 (3
	2.44 (8.0)	15 M @ 200 (8)		15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 400 (16)		15 M @ 400 (1
	2.13 (7.0)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 800 (32)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (2
(8.0)	1.83 (6.0)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 600 (24)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 800 (3
2.44	1.53 (5.0)	15 M @ 400 (16)	10 M @ 400 (16)	10 M @ 600 (24)	10 M @ 800 (32)	15 M @ 400 (16)	15 M @ 800 (32)	15 M @ 800 (32)	10 M @ 600 (2
	1.22 (4.0)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 800 (32)	10 M @ 800 (32)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 600 (24)	10 M @ 800 (3
		25MPa Wall	Wall	Wall	Wall	25MPa Wall	Wall	Wall	Wall
m (ft)	m (ft)	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (12")	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (1
Height	Backfill Height		960 kg/n	n ³ (60 pcf)			1200 kg/r	m ³ (75 pcf)	
					Backfill Equivale				

2.

For highlighted data, where the below grade wall meets all the requirements of NBCC Part 9 for a solid concrete foundation wall and supports only wood frame construction above, a 20MPa unreinforced wall is adequate as per 2020 NBCC table 9.15.4.2.A. Provide the reinforcing shown for walls supporting ICF walls above or with brick veneer supported with the brick ledge form. Below grade walls supporting "Drained Earth" in accordance with 2020 NBCC 9.4.4.6 may be designed for an equivalent fluid pressure of 480 kg/m3.

This table is to be used in conjunction with the "Design Limitations" and "Below Grade Reinforcement Placement" drawing.





Table B.2.1. – Below Grade Wall Distributed Reinforcement for Seismic Zone Classification, 0.11 < $S_{a,ICF} \le 0.16$ and Hourly Wind Pressure, $q_{1/50} \le 1.05$ kPa, for ICF Walls with <u>6" Tie Spacing</u>

inforcement	Block Height of 16"	10 M @ 400	(16)	10 M @ 4	400 (16)	10 M @ 400) (16)	10 M @ 40	0 (16)	10 M @ 400	(16)	10 M @ 400 (16	10 M @ 400 (16)	10 M @ 400 (1
Horizontal	Block Height of 12" and 18"	10 M @ 450	(18)	10 M @ 4	150 (18)	10 M @ 450) (18)	10 M @ 45	0 (18)	10 M @ 450 🖌	(18)	10 M @ 450 (18	10 M @ 450 (18)	10 M @ 450 (1
	3.66 (12.0)					15 M @ 15	50 (6)	15 M @ 1	50 (6)	V			15 M @ 150 (6)	15 M @ 150 (6
	3.35 (11.0)			15 M @		15 M @ 15			00 (12)				15 M @ 150 (6)	15 M @ 150 (6
	3.05 (10.0)			15 M @		15 M @ 15		15 M @ 3				15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (1
	2.74 (9.0)		(.)	15 M @		15 M @ 30		15 M @ 3				15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (1
	2.44 (8.0)) (6)		300 (12)	15 M @ 30		~	50 (18)	15 M @ 150		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (1
(12.0)	2.13 (7.0)	15 M @ 150			300 (12)	15 M @ 45		B	00 (24)	15 M @ 150		15 M @ 300 (12		15 M @ 450 (1
(12.0)	1.83 (6.0)	15 M @ 430	_		450 (18)	15 M @ 60		15 M @ 6	10.	15 M @ 300		15 M @ 450 (18		15 M @ 600 (2
3.66	1.53 (5.0)	15 M @ 450			600 (24)	10 M @ 45		10 M @ 4		15 M @ 450		15 M @ 600 (24		10 M @ 450 (1
-	1.22 (4.0)	15 M @ 600	(24)		450 (18)	15 M @ 15		15 M @ 3	10	15 M @ 600	(24)	15 M @ 600 (24		10 M @ 450 (1
	3.05 (10.0) 3.35 (11.0)			15 M @ 15 M @		15 M @ 30		15 M @ 3				15 M @ 150 (6) 15 M @ 150 (6)	15 M @ 150 (6) 15 M @ 150 (6)	15 M @ 300 (1 15 M @ 300 (1
	2.74 (9.0)	15 M @ 150	(0)	15 M @		15 M @ 30		15 M @ 3				15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (1
	2.44 (8.0)	15 M @ 150	. ,	~	300 (12)	15 M @ 45		15 M @ 4		15 M @ 150	(0)	15 M @ 300 (12		15 M @ 450 (1
	2.13 (7.0)	15 M @ 150	. ,		450 (18)	15 M @ 45		15 M @ 6		15 M @ 150		15 M @ 300 (12		15 M @ 450 (1
(11.0)	1.83 (6.0)	~	(12)		450 (18)	15 M @ 60		-	00 (24)	15 M @ 300		15 M @ 450 (18		15 M @ 600 (2
3.35	1.53 (5.0)	~	(18)		600 (24)	10 M @ 45		10 M @ 4		15 M @ 450		15 M @ 600 (24		10 M @ 450 (1
	1.22 (4.0)	15 M @ 600	(24)	- W	450 (18)	10 M @ 45	50 (18)	10 M @ 4	. ,	15 M @ 600		10 M @ 450 (18		10 M @ 450 (1
	3.05 (10.0)) (6)		300 (12)	15 M @ 30		15 M @ 3				15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (
	2.74 (9.0)	15 M @ 150	(6)	15 M @	300 (12)	15 M @ 30	00 (12)	15 M @ 4	50 (18)	15 M @ 150	(6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (1
	2.44 (8.0)	15 M @ 150	(6)		300 (12)	15 M @ 45		15 M @ 4	50 (18)	15 M @ 150	(6)	15 M @ 300 (12		15 M @ 450 (
	2.13 (7.0)	15 M @ 300	(12)	15 M @	450 (18)	15 M @ 45	50 (18)	15 M @ 6	00 (24)	15 M @ 150	(6)	15 M @ 300 (12) 15 M @ 450 (18)	15 M @ 600 (
(10.0)	1.83 (6.0)	15 M @ 300	(12)	15 M @	450 (18)	15 M @ 60	00 (24)	15 M @ 6	00 (24)	15 M @ 300	(12)	15 M @ 450 (18	15 M @ 600 (24)	15 M @ 600 (2
3.05	1.53 (5.0)	15 M @ 450	(18)	15 M @	600 (24)	10 M @ 45	50 (18)	10 M @ 4	50 (18)	15 M @ 450	(18)	15 M @ 600 (24	10 M @ 450 (18)	10 M @ 450 (1
	1.22 (4.0)	15 M @ 600	(24)	10 M @	450 (18)	10 M @ 45	50 (18)	10 M @ 4	50 (18)	15 M @ 600	(24)	10 M @ 450 (18	10 M @ 450 (18)	10 M @ 450 (*
	2.74 (9.0)	15 M @ 150) (6)	15 M @	300 (12)	15 M @ 45	50 (18)	15 M @ 4	50 (18)	15 M @ 150	(6)	15 M @ 300 (12) 15 M @ 450 (18)	15 M @ 450 (*
	2.44 (8.0)	15 M @ 150	(6)	15 M @	300 (12)	15 M @ 45	50 (18)	15 M @ 6	00 (24)	15 M @ 150	(6)	15 M @ 300 (12	15 M @ 450 (18)	15 M @ 450 (*
	2.13 (7.0)	15 M @ 300) (12)	15 M @	450 (18)	15 M @ 60	00 (24)	15 M @ 6	00 (24)	15 M @ 300	(12)	15 M @ 450 (18	15 M @ 450 (18)	15 M @ 600 (2
(9.0)	1.83 (6.0)	15 M @ 450	(18)	15 M @	600 (24)	15 M @ 60	00 (24)	15 M @ 6	00 (24)	15 M @ 300	(12)	15 M @ 450 (18	15 M @ 600 (24)	15 M @ 600 (2
2.74	1.53 (5.0)	15 M @ 450		-	600 (24)	10 M @ 45		-	50 (18)	15 M @ 450		15 M @ 600 (24		10 M @ 450 (1
	1.22 (4.0)	15 M @ 600			450 (18)	10 M @ 45			50 (18)	15 M @ 600		10 M @ 450 (18		10 M @ 450 (1
	2.44 (8.0)	15 M @ 300		~	450 (18)	15 M @ 60	. ,	15 M @ 6	. ,	15 M @ 150		15 M @ 450 (18		15 M @ 600 (2
(8.0)	1.83 (6.0) 2.13 (7.0)	15 M @ 450 15 M @ 300	(18)	-	600 (24) 450 (18)	15 M @ 60		15 M @ 6		15 M @ 450 15 M @ 300		15 M @ 450 (18 15 M @ 450 (18		15 M @ 600 (2 15 M @ 600 (2
2.44	1.53 (5.0)	Ū	(24)	-	600 (24)	-	50 (18)	~	50 (18)	15 M @ 450		15 M @ 600 (24		10 M @ 450 (1
	1.22 (4.0)	10 M @ 450			600 (24)	10 M @ 45		-	50 (18)	15 M @ 450		10 M @ 450 (18		10 M @ 450 (1
		25MPa			Vall	Wa		W		25MPa W		Wall	Wall	Wall
(ft)	m (ft)	150 mr	. ,		0 mm (8")	250 r	mm (10")	300	mm (12")		'	200 mm (8"	250 mm (10")	300 mm (1
m	Height			1	480 kg/n	³ (30 pcf)		Т				720 kg	m ³ (45 pcf)	r
Wall Height	Backfill							Back	fill Equiva	lent Fluid Density				

OTES

1. For highlighted data, where the below grade wall meets all the requirements of NBCC Part 9 for a solid concrete foundation wall and supports only wood frame construction above, a 20MPa unreinforced wall is adequate as per 2020 NBCC table 9.15.4.2.A. Provide the reinforcing shown for walls supporting ICF walls above or with brick veneer supported with the brick ledge form.

 Below grade walls supporting "Drained Earth" in accordance with 2020 NBCC 9.4.4.6 may be designed for an equivalent fluid pressure of 480 kg/m3.

This table is to be used in conjunction with the "Design Limitations" and "Below Grade Reinforcement Placement" drawing.
 Alternating horizontal bar spacing of 12" o.c. and 24" o.c. may be used to achieve an average spacing of 18" o.c. where 18" o.c. spacing is specified for horizontal bars, as shown in Detail A.3.

MANUFACTURERS ASSOCIATION





Table B.2.1. Continued - Below Grade Wall Distributed Reinforcement for Seismic Zone Classification, 0.11 < $S_{a,ICF} \le$ 0.16 and Hourly Wind Pressure, $q_{1/50} \le$ 1.05kPa, for ICF Walls with <u>6</u>" Tie Spacing

einforcement	Block Height of 16"	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16
Horizontal	Block Height of 12" and 18"	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18
	3.66 (12.0)			15 M @ 150 (6)	15 M @ 150 (6)				15 M @ 150 (6)
	3.35 (11.0)			15 M @ 150 (6)	15 M @ 150 (6)			15 M @ 150 (6)	15 M @ 150 (6)
	3.05 (10.0)			15 M @ 150 (6)	15 M @ 150 (6)			15 M @ 150 (6)	15 M @ 150 (6)
	2.74 (9.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (1
	2.44 (8.0)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (1:
	2.13 (7.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 450 (1
(12.0)	1.83 (6.0)	15 M @ 150 (6)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 150 (6)		15 M @ 450 (18)	15 M @ 600 (2
3.66	1.53 (5.0)	15 M @ 450 (18)	15 M @ 600 (24)		10 M @ 450 (18)	15 M @ 450 (18)		15 M @ 600 (24)	10 M @ 450 (1
	1.22 (4.0)	15 M @ 600 (24)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 450 (18)	15 M @ 450 (18)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 450 (1
	3.35 (11.0)		10 10 (0)	15 M @ 150 (6)	15 M @ 150 (6)			15 M @ 150 (6)	15 M @ 150 (6
	3.05 (10.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	/A	10 10 (0)	15 M @ 150 (6)	15 M @ 300 (1
	2.74 (9.0)	15 M @ 150 (6)	15 M @ 150 (6) 15 M @ 150 (6)	15 M @ 300 (12) 15 M @ 300 (12)	15 M @ 300 (12) 15 M @ 300 (12)		15 M @ 150 (6) 15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (1
	2.13 (7.0) 2.44 (8.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 150 (6)		15 M @ 450 (18) 15 M @ 300 (12)	15 M @ 450 (1 15 M @ 300 (1
(11.0)	1.83 (6.0)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 150 (6)			15 M @ 600 (2
3.35	1.53 (5.0)	15 M @ 450 (18)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 450 (18)	15 M @ 450 (18)		15 M @ 600 (24)	10 M @ 450 (1
2.25	1.22 (4.0)	15 M @ 600 (24)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 450 (18)	15 M @ 600 (24)		10 M @ 450 (18)	10 M @ 450 (1
	3.05 (10.0)	45 14 0 000 (04)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	45 14 0 000 (04)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (1
	2.74 (9.0)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (1
	2.44 (8.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (1
	2.13 (7.0)	15 M @ 150 (6)	15 M @ 300 (12)		15 M @ 450 (18)	15 M @ 150 (6)	177	15 M @ 450 (18)	15 M @ 450 (1
(10.0)	1.83 (6.0)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 600 (24)	15 M @ 300 (12)		15 M @ 450 (18)	15 M @ 600 (2
3.05	1.53 (5.0)	15 M @ 450 (18)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 450 (18)	15 M @ 450 (18)		15 M @ 600 (24)	10 M @ 450 (1
	1.22 (4.0)	15 M @ 600 (24)	15 M @ 600 (24)		10 M @ 450 (18)	15 M @ 600 (24)		10 M @ 450 (18)	10 M @ 450 (1
	2.74 (9.0)	15 M @ 150 (6)		15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	
	2.44 (8.0)	15 M @ 150 (6)	15 M @ 300 (12)		15 M @ 450 (18)	15 M @ 150 (6)			15 M @ 300 (1
	2.13 (7.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 150 (6)			15 M @ 450 (1
(9.0)	1.83 (6.0)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 600 (24)	15 M @ 300 (12)			15 M @ 600 (2-
2.74	1.53 (5.0)	15 M @ 450 (18)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 450 (18)	15 M @ 450 (18)		10 M @ 450 (18)	10 M @ 450 (1
	1.22 (4.0)	15 M @ 600 (24)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 450 (18)	15 M @ 600 (24)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 450 (1
	2.44 (8.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (1
	2.13 (7.0)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (2
(8.0)	1.83 (6.0)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	10 M @ 450 (18)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 600 (24)	15 M @ 600 (2
2.44	1.53 (5.0)	15 M @ 450 (18)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 450 (18)	15 M @ 450 (18)	15 M @ 600 (24)	10 M @ 450 (18)	10 M @ 450 (1
	1.22 (4.0)	15 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	15 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (1
(ft)		25MPa Wall	Wall	Wall	Wall	25MPa Wall	Wall	Wall	Wall
m	m (ft)	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (12")	150 mm (6")	1200 kg/m 200 mm (8")	250 mm (10")	300 mm (1
Height	Backfill Height		960 kg/m ³	(60 =====)	Backilli Equivale	ent Fluid Density	1200 ////	3 (75 =====)	
Wall	D 1.60				Deelefill Consistents	ant Eluid Demaitur			

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For highlighted data, where the below grade wall meets all the requirements of NBCC Part 9 for a solid concrete foundation wall and supports only wood frame construction above, a 20MPa unreinforced wall is adequate as per 2020 NBCC table 9.15.4.2.A. Provide the reinforcing shown for walls supporting ICF walls above or with brick veneer supported with the brick ledge form. Below grade walls supporting "Drained Earth" in accordance with 2020 NBCC 9.4.4.6 may be designed for an equivalent fluid pressure of

480 kg/m3.

This table is to be used in conjunction with the "Design Limitations" and "Below Grade Reinforcement Placement" drawing. Alternating horizontal bar spacing of 12" o.c. and 24" o.c. may be used to achieve an average spacing of 18" o.c. where 18" o.c. spacing is specified for horizontal bars, as shown in Detail A.3.





Table B.2.2. – Below Grade Wall Distributed Reinforcement for Seismic Zone Classification, $0.11 < S_{a,ICF} \le 0.16$ and Hourly Wind Pressure, $q_{1/50} \le 1.05$ kPa, for ICF Walls with <u>8" Tie Spacing</u>

Well.					Vertical Steel (S	ize and Spacing)			
Wall Height	Backfill				Backfill Equivale	ent Fluid Density			
m	Height		480 kg/m	n ³ (30 pcf)			720 kg/n	n ³ (45 pcf)	
(ft)	m (ft)	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (12")	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (1
		25MPa Wall	Wall	Wall	Wall	25MPa Wall	Wall	Wall	Wall
	1.22 (4.0)	10 M @ 400 (16)	10 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (16)	15 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (1
2.44	1.53 (5.0)	15 M @ 600 (24)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (1
(8.0)	1.83 (6.0)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (24)	15 M @ 600 (24)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (2
	2.13 (7.0)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (2
	2.44 (8.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (2
	1.22 (4.0)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (1
2.74	1.53 (5.0)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (24)	10 M @ 400 (1
(9.0)	1.83 (6.0)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (24)	15 M @ 600 (24)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (24
	2.13 (7.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (2
	2.44 (8.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 400 (1
	2.74 (9.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
	1.22 (4.0)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (1
3.05	1.53 (5.0)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (10
(10.0)	1.83 (6.0)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (2
	2.13 (7.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (2-
	2.44 (8.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
	2.74 (9.0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (1
	3.05 (10.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
	1.22 (4.0)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (1
3.35	1.53 (5.0)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (1
(11.0)	1.83 (6.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (2-
	2.13 (7.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 400 (1
	2.44 (8.0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
	2.74 (9.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (1
	3.05 (10.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	/	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
	3.35 (11.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (8
	1.22 (4.0)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (1
3.66	1.53 (5.0)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (24)	10 M @ 400 (1
(12.0)	1.83 (6.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24
	2.13 (7.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
	2.44 (8.0)	~	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (1
	2.74 (9.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
	3.05 (10.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (8
	3.35 (11.0)			15 M @ 200 (8)	15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (8
	3.66 (12.0)			15 M @ 200 (8)	15 M @ 200 (8)				15 M @ 200 (8
Horizontal	Block height of 12" and 18	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (1
einforcement	Block Height of 16"	40 M @ 400 (46)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	40.00 000 (40)	40.00 (40)	10 M @ 400 (1

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For highlighted data, where the below grade wall meets all the requirements of NBCC Part 9 for a solid concrete foundation wall and supports only wood frame construction above, a 20MPa unreinforced wall is adequate as per 2020 NBCC table 9.15.4.2.A. Provide the reinforcing shown for walls supporting ICF walls above or with brick veneer supported with the brick ledge form.

reinforcing shown for walls supporting ICF walls above or with brick veneer supported with the brick ledge form. Below grade walls supporting "Drained Earth" in accordance with 2020 NBCC 9.4.4.6 may be designed for an equivalent fluid pressure of 480 kg/m3.

This table is to be used in conjunction with the "Design Limitations" and "Below Grade Reinforcement Placement" drawing. Alternating horizontal bar spacing of 12" o.c. and 24" o.c. may be used to achieve an average spacing of 18" o.c. where 18" o.c. spacing is specified for horizontal bars, as shown in Detail A.3.





Table B.2.2. Continued – Below Grade Wall Distributed Reinforcement for Seismic Zone Classification, 0.11 < $S_{a,ICF} \leq 0.16$ and Hourly Wind Pressure, $q_{1/50} \leq 1.05$ kPa, for ICF Walls with <u>8</u>" <u>Tie Spacing</u>

einforcement	Block Height of 16"	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16
Horizontal	Block height of 12" and 18"	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18
	3.66 (12.0)				15 M @ 200 (8)				
	3.35 (11.0)			15 M @ 200 (8)	15 M @ 200 (8)				15 M @ 200 (8)
	3.05 (10.0)			15 M @ 200 (8)	15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (8
	2.74 (9.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (8
	2.44 (8.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
	2.13 (7.0)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
(12.0)	1.83 (6.0)	15 M @ 200 (8)	15 M @ 400 (16)		15 M @ 600 (24)	15 M @ 200 (8)		15 M @ 400 (16)	15 M @ 600 (2
3.66	1.53 (5.0)		15 M @ 600 (24)		10 M @ 400 (16)		15 M @ 400 (16)	1	10 M @ 400 (1
	1.22 (4.0)	15 M @ 600 (24)	15 M @ 600 (24)		10 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (1
	3.35 (11.0)			15 M @ 200 (8)	15 M @ 200 (8)				15 M @ 200 (8
	3.05 (10.0)			15 M @ 200 (8)	15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (8
	2.74 (9.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)	A	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
	2.44 (8.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	/	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
(11.0)	2.13 (7.0)	15 M @ 200 (8)	15 M @ 200 (10)		15 M @ 400 (16)	10 1/1 (@ 200 (0)	15 M @ 200 (8)	15 M @ 400 (10) 15 M @ 400 (16)	15 M @ 400 (1
(11.0)	1.53 (5.0) 1.83 (6.0)	15 M @ 400 (16) 15 M @ 200 (8)	15 M @ 600 (24) 15 M @ 400 (16)	10 M @ 400 (16) 15 M @ 400 (16)	10 M @ 400 (16) 15 M @ 600 (24)			15 M @ 600 (24) 15 M @ 400 (16)	10 M @ 400 (1 15 M @ 600 (2
3.35	1.22 (4.0)				10 M @ 400 (16)				10 M @ 400 (
	3.05 (10.0)	15 M @ 600 (24)	15 M @ 200 (8) 15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 600 (24)	15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 200 (8
	2.74 (9.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
	2.44 (8.0)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (
	2.13 (7.0)	15 M @ 200 (8)	15 M @ 400 (16)		15 M @ 400 (16)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
(10.0)	1.83 (6.0)	15 M @ 200 (8)	15 M @ 400 (16)	N 12	15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 400 (16)		15 M @ 600 (2
3.05	1.53 (5.0)		15 M @ 600 (24)		10 M @ 400 (16)			15 M @ 600 (24)	10 M @ 400 (1
	1.22 (4.0)		15 M @ 600 (24)		10 M @ 400 (16)	15 M @ 600 (24)			10 M @ 400 (1
	2.74 (9.0)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
	2.44 (8.0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (*
	2.13 (7.0)	15 M @ 200 (8)		15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 200 (8)		15 M @ 400 (16)	15 M @ 400 (*
(9.0)	1.83 (6.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (2
2.74	1.53 (5.0)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (1
	1.22 (4.0)	15 M @ 600 (24)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (1
	2.44 (8.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
	2.13 (7.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (2
(8.0)	1.83 (6.0)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 600 (24)	15 M @ 600 (2
2.44	1.53 (5.0)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (16)	15 M @ 400 (16)	15 M @ 600 (24)	10 M @ 400 (16)	10 M @ 400 (*
	1.22 (4.0)	15 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	15 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (*
()		25MPa Wall	Wall	Wall	Wall	25MPa Wall	Wall	Wall	Wall
m (ft)	m (ft)	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (12")	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (1
Height	Backfill Height		960 ka/m	n ³ (60 pcf)		ent Fluid Density	1200 ka/r	m ³ (75 pcf)	

NOTES:

 For highlighted data, where the below grade wall meets all the requirements of NBCC Part 9 for a solid concrete foundation wall and supports only wood frame construction above, a 20MPa unreinforced wall is adequate as per 2020 NBCC table 9.15.4.2.A. Provide the reinforcing shown for walls supporting ICF walls above or with brick veneer supported with the brick ledge form.
 Below grade walls supporting "Drained Earth" in accordance with 2020 NBCC 9.4.4.6 may be designed for an equivalent fluid pressure of 480 kg/m3.

This table is to be used in conjunction with the "Design Limitations" and "Below Grade Reinforcement Placement" drawing. Alternating horizontal bar spacing of 12" o.c. and 24" o.c. may be used to achieve an average spacing of 18" o.c. where 18" o.c. spacing is specified for horizontal bars, as shown in Detail A.3.





Table B.3.1. – Below Grade Wall Distributed Reinforcement for Seismic Zone Classification, 0.16 < $S_{a,ICF} \le 0.31$ and Hourly Wind Pressure, $q_{1/50} \le 1.05$ kPa, for ICF Walls with <u>6" Tie Spacing</u>

einforcement	Block Height of 16"	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16
Horizontal	Block height of 12" and 18"	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18
_	3.66 (12.0)				15 M @ 150 (6)				15 M @ 150 (6)
	3.35 (11.0)			15 M @ 150 (6)	15 M @ 150 (6)		///		15 M @ 150 (6)
	3.05 (10.0)			15 M @ 150 (6)	15 M @ 150 (6)		/_	15 M @ 150 (6)	15 M @ 150 (6)
	2.74 (9.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 150 (6)		/	15 M @ 150 (6)	15 M @ 150 (6)
	2.44 (8.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	V /	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (1:
	2.13 (7.0)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (1
(12.0)	1.83 (6.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (1
3.66	1.53 (5.0)	15 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (1
	1.22 (4.0)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (1
	3.35 (11.0)			15 M @ 150 (6)	15 M @ 150 (6)	/ .		15 M @ 150 (6)	15 M @ 150 (6
	3.05 (10.0)			15 M @ 150 (6)	15 M @ 150 (6)			15 M @ 150 (6)	15 M @ 150 (6
	2.74 (9.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (1
	2.44 (8.0)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (1
	2.13 (7.0)	15 M @ 150 (6)		15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (1
(11.0)	1.83 (6.0)	15 M @ 150 (6)		15 M @ 450 (18)	10 M @ 300 (12)	15 M @ 150 (6)	15 M @ 300 (12)		15 M @ 450 (1
3.35	1.53 (5.0)	15 M @ 300 (12)		10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 300 (12)	15 M @ 450 (18)		10 M @ 300 (1
	1.22 (4.0)	10 M @ 300 (12)		10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)		10 M @ 300 (1
	3.05 (10.0)	· · · · · · · · · · · · · · · · · · ·	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (1
	2.74 (9.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (1
	2.44 (8.0)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	10 11 (@ 100 (0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (1
(10.0)	2.13 (7.0)	15 M @ 150 (6)		15 M @ 450 (18)	15 M @ 450 (12)	15 M @ 150 (6)		15 M @ 300 (12)	15 M @ 450 (1
(10.0)	1.83 (6.0)	15 M @ 150 (6)		15 M @ 450 (12)	10 M @ 300 (12)	15 M @ 150 (6)	15 M @ 430 (10) 15 M @ 300 (12)		15 M @ 450 (1
3.05	1.53 (5.0)	15 M @ 300 (12)		10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 300 (12)	15 M @ 450 (12)		10 M @ 300 (1
	1.22 (4.0)	15 M @ 150 (6) 10 M @ 300 (12)	15 M @ 150 (6)		15 M @ 300 (12) 10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 300 (12)	10 M @ 300 (1
	2.44 (8.0) 2.74 (9.0)	15 M @ 150 (6)		15 M @ 300 (12) 15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 150 (6)	15 M @ 150 (6) 15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (1 15 M @ 300 (1
	2.13 (7.0)	15 M @ 150 (6)		15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 150 (6)	15 M @ 300 (12)		15 M @ 450 (1
(9.0)	1.83 (6.0)	15 M @ 300 (12)		15 M @ 450 (18)	10 M @ 300 (12)	15 M @ 150 (6)	15 M @ 300 (12)		10 M @ 300 (1
2.74	1.53 (5.0)	15 M @ 450 (18)		10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 300 (12)	15 M @ 450 (18)		10 M @ 300 (1
	1.22 (4.0)	10 M @ 300 (12)		10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)		10 M @ 300 (1
	2.44 (8.0)	15 M @ 150 (6)		15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 150 (6)	15 M @ 300 (12)		15 M @ 450 (1
	2.13 (7.0)	15 M @ 150 (6)		15 M @ 450 (18)	10 M @ 300 (12)	15 M @ 150 (6)	15 M @ 300 (12)		15 M @ 450 (1
(8.0)	1.83 (6.0)	15 M @ 300 (12)		15 M @ 450 (18)	10 M @ 300 (12)	15 M @ 300 (12)	15 M @ 450 (18)		10 M @ 300 (1
2.44	1.53 (5.0)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (1
	1.22 (4.0)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (1
		25MPa Wall	Wall	Wall	Wall	25MPa Wall	Wall	Wall	Wall
(ft)	m (ft)	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (12")		200 mm (8")	250 mm (10")	300 mm (1
Height m	Height		480 kg/m ³	(30 pcf)			720 kg/m ³	(45 pcf)	
Wall	Backfill				Backfill Equivale	ent Fluid Density			
					Vertical Steel (S	ize and opacing)			

NOTES:

 For highlighted data, where the below grade wall meets all the requirements of NBCC Part 9 for a solid concrete foundation wall and supports only wood frame construction above, a 20MPa unreinforced wall is adequate as per 2020 NBCC table 9.15.4.2.A. Provide the reinforcing shown for walls supporting ICF walls above or with brick veneer supported with the brick ledge form.

Below grade walls supporting "Drained Earth" in accordance with 2020 NBCC 9.4.4.6 may be designed for an equivalent fluid pressure of 480 kg/m3.

This table is to be used in conjunction with the "Design Limitations" and "Below Grade Reinforcement Placement" drawing. Provide 3 horizontal bars in every two rows of 18" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars, as shown in Detail A.4.

Provide 4 horizontal bars, as shown in Detail A.4. Provide 4 horizontal bars in every three rows of 16" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars, as shown in Detail A.5.





Table B.3.1. Continued – Below Grade Wall Distributed Reinforcement for Seismic Zone Classification, 0.16 < $S_{a,ICF} \leq 0.31$ and Hourly Wind Pressure, $q_{1/50} \leq 1.05$ kPa, for ICF Walls with <u>6</u>" <u>Tie Spacing</u>

inforcement	Block Height of 16"	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (1			
Horizontal	Block height of 12" and 18"	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18			
	3.66 (12.0)				15 M @ 150 (6)				·			
	3.35 (11.0)				15 M @ 150 (6)				15 M @ 150 (6			
	3.05 (10.0)				15 M @ 150 (6)				15 M @ 150 (6			
	2.74 (9.0)		5	15 M @ 150 (6)	15 M @ 150 (6)			15 M @ 150 (6)	15 M @ 150 (6			
	2.44 (8.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)			15 M @ 150 (6)	15 M @ 150 (6			
,. <u> </u>	2.13 (7.0)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (*			
(12.0)	1.83 (6.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 150 (6)		15 M @ 300 (12)	15 M @ 450 (*			
3.66	1.53 (5.0)	15 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 300 (12)	15 M @ 450 (18)		10 M @ 300 (
	1.22 (4.0)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (
	3.35 (11.0)			10 10 (0)	15 M @ 150 (6)			100 (0)	15 M @ 150 (
	3.05 (10.0)			15 M @ 150 (6)	15 M @ 150 (6)			15 M @ 150 (6)	15 M @ 150 (
	2.74 (9.0)		10 101 (@ 100 (0)	15 M @ 150 (6)	15 M @ 300 (12) 15 M @ 150 (6)		10 1/1 (22 100 (0)	15 M @ 150 (6)	15 M @ 300 (
	2.13 (7.0)	15 M @ 150 (6)	15 M @ 150 (6) 15 M @ 150 (6)	15 M @ 300 (12) 15 M @ 150 (6)	15 M @ 300 (12) 15 M @ 300 (12)	/	15 M @ 150 (6) 15 M @ 150 (6)	15 M @ 300 (12) 15 M @ 150 (6)	15 M @ 300 (15 M @ 300 (
(11.0)	1.83 (6.0) 2.13 (7.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18) 15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 150 (6)		15 M @ 450 (18) 15 M @ 300 (12)	15 M @ 450 (15 M @ 300 (
3.35	1.53 (5.0)	15 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 300 (12)		15 M @ 450 (18)	10 M @ 300 (
2.25	1.22 (4.0)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)		10 M @ 300 (12)	10 M @ 300 (
	3.05 (10.0)	40 M @ 200 (40)	40 M @ 200 (40)	15 M @ 150 (6)	15 M @ 150 (6)	40 M @ 200 (40)	10 14 @ 200 (10)	15 M @ 150 (6)	15 M @ 150 (
	2.74 (9.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)			15 M @ 150 (6)	15 M @ 300 (
V.	2.44 (8.0)	V V	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	`	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (
	2.13 (7.0)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (
(10.0)	1.83 (6.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 150 (6)	15 M @ 300 (12)		15 M @ 450 (
3.05	1.53 (5.0)	15 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 300 (12)		10 M @ 300 (12)	10 M @ 300 (
	1.22 (4.0)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)		10 M @ 300 (12)	10 M @ 300 (
	2.74 (9.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 150 (6)	15 M@ 300 (
	2.44 (8.0)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (
	2.13 (7.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 150 (6)		15 M @ 300 (12)	15 M @ 300 (
(9.0)	1.83 (6.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 150 (6)	15 M @ 300 (12)		15 M @ 450 (
2.74	1.53 (5.0)	15 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 300 (12)		10 M @ 300 (12)	10 M @ 300 (*			
	1.22 (4.0)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)		10 M @ 300 (12)	10 M @ 300 (*			
	2.44 (8.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (*			
	2.13 (7.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (
(8.0)	1.83 (6.0)	15 M @ 150 (6)	15 M @ 450 (18)	15 M @ 450 (18)	10 M @ 300 (12)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (
2.44	1.53 (5.0)	15 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (
	1.22 (4.0)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (
(11)		25MPa Wall	Wall	Wall	Wall	25MPa Wall	Wall	Wall	Wall			
m (ft)	m (ft)	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (12")	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (
Height	Height		960 kg/m ³	(60 pcf)	Duokini Equivale	Int Fland Density	1200 kg/m	³ (75 pcf)				
Wall	Backfill		Backfill Equivalent Fluid Density									

NOTES: 1.

For highlighted data, where the below grade wall meets all the requirements of NBCC Part 9 for a solid concrete foundation wall and supports only wood frame construction above, a 20MPa unreinforced wall is adequate as per 2020 NBCC table 9.15.4.2.A. Provide the reinforcing shown for walls supporting ICF walls above or with brick veneer supported with the brick ledge form.

Below grade walls supporting "Drained Earth" in accordance with 2020 NBCC 9.4.4.6 may be designed for an equivalent fluid pressure of 480 kg/m3. This table is to be used in conjunction with the "Design Limitations" and "Below Grade Reinforcement Placement" drawing.

Provide 3 horizontal bars in every two rows of 18" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars, as shown in Detail A.4. Provide 4 horizontal bars in every three rows of 16" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars, as shown in Detail A.4.





Table B.3.2. – Below Grade Wall Distributed Reinforcement for Seismic Zone Classification, 0.16 < $S_{a,ICF} \le 0.31$ and Hourly Wind Pressure, $q_{1/50} \le 1.05$ kPa, for ICF Walls with <u>8" Tie Spacing</u>

	Block Height of 16"	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (10
Horizontal	Block height of 12" and 18"	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18
_	3.66 (12.0)			_					0
	3.35 (11.0)				15 M @ 200 (8)				15 M @ 200 (8
	3.05 (10.0)			15 M @ 200 (8)	15 M @ 200 (8)				15 M @ 200 (8
	2.44 (8.0) 2.74 (9.0)		15 M @ 200 (8)	15 M @ 200 (8) 15 M @ 200 (8)	15 M @ 200 (8) 15 M @ 200 (8)			15 M @ 200 (8) 15 M @ 200 (8)	15 M @ 200 (8 15 M @ 200 (8
	2.13 (7.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	Y /	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
(12.0)	1.83 (6.0)	15 M @ 200 (8)		15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
3.66	1.53 (5.0)	15 M @ 200 (8)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 400 (16)	15 M @ 200 (8)	15 M @ 400 (16)	1 A V	10 M @ 400 (1
2.66	1.22 (4.0)	10 M @ 200 (8)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 200 (8)	_	10 M @ 400 (16)	10 M @ 400 (*
-	3.35 (11.0)		10.1.0 100 110	10.11.0.100.117	15 M @ 200 (8)				15 M @ 200 (8
	3.05 (10.0)			15 M @ 200 (8)	15 M @ 200 (8)	/		15 M @ 200 (8)	15 M @ 200 (8
	2.74 (9.0)			15 M @ 200 (8)	15 M @ 200 (8)	/		15 M @ 200 (8)	15 M @ 200 (8
	2.44 (8.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
	2.13 (7.0)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (*
(11.0)	1.83 (6.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	10 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 400 (
3.35	1.53 (5.0)	15 M @ 400 (16)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 400 (16)	15 M @ 200 (8)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 400 (*
	1.22 (4.0)	10 M @ 200 (8)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 200 (8)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (*
	3.05 (10.0)			15 M @ 200 (8)	15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (
	2.74 (9.0)	V V	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (
	2.44 (8.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (
	2.13 (7.0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (
(10.0)	1.83 (6.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	10 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 400 (
3.05	1.53 (5.0)	15 M @ 400 (16)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 400 (16)	15 M @ 200 (8)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 400 (
	1.22 (4.0)	10 M @ 200 (8)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 200 (8)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (
	2.74 (9.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (
	2.44 (8.0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (
. ,	2.13 (7.0)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 400 (16)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (
(9.0)	1.83 (6.0)	15 M @ 200 (8)		15 M @ 400 (16)		15 M @ 200 (8)		15 M @ 400 (16)	10 M @ 200 (
2.74	1.53 (5.0)	15 M @ 400 (16)			10 M @ 400 (16)	15 M @ 400 (16)	15 M @ 400 (16)		10 M @ 400 (*
	1.22 (4.0)	10 M @ 200 (8)		10 M @ 400 (16)		10 M @ 200 (8)	10 M @ 400 (16)		10 M @ 400 (
	2.13 (7.0) 2.44 (8.0)	15 M @ 200 (8) 15 M @ 200 (8)	15 M @ 400 (16) 15 M @ 200 (8)	15 M @ 400 (16) 15 M @ 400 (16)	10 M @ 400 (16) 15 M @ 400 (16)	15 M @ 200 (8)	15 M @ 400 (16) 15 M @ 200 (8)	15 M @ 400 (16) 15 M @ 400 (16)	15 M @ 400 (15 M @ 400 (
(8.0)	1.83 (6.0)	15 M @ 200 (8)			10 M @ 400 (16)	15 M @ 200 (8)	15 M @ 400 (16)		10 M @ 200 (
2.44	1.53 (5.0)		10 M @ 200 (8)	10 M @ 400 (16)		15 M @ 400 (16)		10 M @ 400 (16)	10 M @ 400 (
0.44	1.22 (4.0)	10 M @ 200 (8)				15 M @ 400 (16)			10 M @ 400 (
			Wall	Wall	Wall		Wall	Wall	Wall
(ft)	m (ft)	150 mm (6") 25MPa Wall	200 mm (8")	250 mm (10")		150 mm (6") 25MPa Wall	200 mm (8")	250 mm (10")	
m	Height			n ³ (30 pcf)				n ³ (45 pcf)	
Wall Height	Backfill				Backfill Equivale	ent Fluid Density			
14/-11					Vertical Steel (S	1 8,			

NOTES

5.

For highlighted data, where the below grade wall meets all the requirements of NBCC Part 9 for a solid concrete foundation wall and 1. supports only wood frame construction above, a 20MPa unreinforced wall is adequate as per 2020 NBCC table 9.15.4.2.A. Provide the reinforcing shown for walls supporting ICF walls above or with brick veneer supported with the brick ledge form. Below grade walls supporting "Drained Earth" in accordance with 2020 NBCC 9.4.4.6 may be designed for an equivalent fluid pressure of

480 kg/m3.

This table is to be used in conjunction with the "Design Limitations" and "Below Grade Reinforcement Placement" drawing. Provide 3 horizontal bars in every two rows of 18" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars, as shown in Detail A.4. Provide 4 horizontal bars in every three rows of 16" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars, as shown in Detail A.5.





Table B.3.2. Continued- Below Grade Wall Distributed Reinforcement for Seismic Zone Classification, 0.16 < $S_{a,ICF} \le 0.31$ and Hourly Wind Pressure, $q_{1/50} \le 1.05$ kPa, for ICF Walls with <u>8</u>" Tie Spacing

einforcement	Block Height of 16"	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16
Horizontal	Block height of 12" and 18"	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18)	10 M @ 450 (18
	3.66 (12.0)								
	3.35 (11.0)				200 (0)				10 W @ 200 (0
	3.05 (10.0)				15 M @ 200 (8)				15 M @ 200 (8
	2.74 (8.0)			15 M @ 200 (8)	15 M @ 200 (8) 15 M @ 200 (8)			15 101 (200 (8)	15 M @ 200 (8
	2.13 (7.0) 2.44 (8.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8) 15 M @ 200 (8)	15 M @ 200 (8 15 M @ 200 (8
(12.0)	1.83 (6.0)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
3.66	1.53 (5.0)	15 M @ 200 (8)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 400 (16)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	10 M @ 200 (8
2.66	1.22 (4.0)	10 M @ 200 (8)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)		10 M @ 200 (8)	10 M @ 400 (16)	10 M @ 400 (*
	3.35 (11.0)	10 M @ 200 (0)	10 M @ 400 (40)	10 M @ 400 (40)	15 M @ 200 (8)	10 M @ 200 (0)	10 M @ 200 (2)	10 10 00 (10)	10 14 @ 400 //
	3.05 (10.0)				15 M @ 200 (8)				15 M @ 200 (8
	2.74 (9.0)			15 M @ 200 (8)	15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (8
	2.44 (8.0)			15 M @ 200 (8)	15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (8
	2.13 (7.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)	/	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
(11.0)	1.83 (6.0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	/_==	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
3.35	1.53 (5.0)	15 M @ 200 (8)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	10 M @ 400 (1
	1.22 (4.0)	10 M @ 200 (8)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 200 (8)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (1
	3.05 (10.0)			15 M @ 200 (8)	15 M @ 200 (8)				15 M @ 200 (8
	2.74 (9.0)			15 M @ 200 (8)	15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (8
	2.44 (8.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
	2.13 (7.0)	\sim \sim	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
(10.0)	1.83 (6.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
3.05	1.53 (5.0)	15 M @ 200 (8)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 400 (16)	15 M @ 200 (8)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 400 (1
	1.22 (4.0)	10 M @ 200 (8)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 200 (8)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (*
	2.74 (9.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
	2.44 (8.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
	2.13 (7.0)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
(9.0)	1.83 (6.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 400 (16)		15 M @ 400 (1
2.74	1.53 (5.0)	15 M @ 200 (8)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 400 (16)	15 M @ 200 (8)	15 M @ 400 (16)		10 M @ 400 (1
	1.22 (4.0)	10 M @ 200 (8)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 400 (16)	10 M @ 200 (8)	10 M @ 400 (16)		10 M @ 400 (1
	2.44 (8.0)	10 11 (@ 200 (0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	10 11 (@ 200 (0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
(0.0)	2.13 (7.0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
(8.0)	1.83 (6.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	10 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	10 M @ 200 (8
2.44	1.53 (5.0)	15 M @ 400 (16) 15 M @ 400 (16)	15 M @ 400 (16)		10 M @ 400 (10)		15 M @ 400 (16)		10 M @ 400 (1
	1.22 (4.0)		Wall	Wall 10 M @ 400 (16)	Wall 10 M @ 400 (16)		Wall	Wall 10 M @ 400 (16)	Wall 10 M @ 400 (1
(ft)	()	150 mm (6") 25MPa Wall	200 mm (8")	250 mm (10")		150 mm (6") 25MPa Wall	200 mm (8")	250 mm (10")	300 mm (1
m	Height m (ft)	(n ³ (60 pcf)		((a))		m ³ (75 pcf)	
Height	Backfill			2	Backfill Equivale	ent Fluid Density		2	
Wall									

4.

For highlighted data, where the below grade wall meets all the requirements of NBCC Part 9 for a solid concrete foundation wall and 1. supports only wood frame construction above, a 20MPa unreinforced wall is adequate as per 2020 NBCC table 9.15.4.2.A. Provide the reinforcing shown for walls supporting ICF walls above or with brick veneer supported with the brick ledge form. Below grade walls supporting "Drained Earth" in accordance with 2020 NBCC 9.4.4.6 may be designed for an equivalent fluid pressure of

480 kg/m3. This table is to be used in conjunction with the "Design Limitations" and "Below Grade Reinforcement Placement" drawing.

Provide 3 horizontal bars in every two rows of 18" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars, as shown in Detail A.4.

Provide 4 horizontal bars in every three rows of 16" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified 5. for horizontal bars, as shown in Detail A.5.





Table B.4.1. – Below Grade Wall Distributed Reinforcement for Seismic Zone Classification, 0.31 < $S_{a,ICF} \le 0.79$ and Hourly Wind Pressure, q1/50 ≤ 1.05 kPa, for ICF Walls with <u>6" Tie Spacing</u>

einforcement	Block Height of 16"	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12
Horizontal	Block height of 12" and 18"	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12
	3.66 (12.0)								
	3.35 (11.0)								
	3.05 (10.0)								
	2.74 (9.0)				15 M @ 150 (6)	Y /		0 10 (0)	<u> </u>
	2.44 (8.0)		0 00 00	15 M @ 150 (6)	15 M @ 150 (6)		0 (-)	7	15 M @ 150 (6
(. <u> </u>	2.13 (7.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 150 (6)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 150 (6
(12.0)	1.83 (6.0)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (1
3.66	1.53 (5.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (12)	15 M @ 300 (12)	15 M @ 150 (6)		/ 4	15 M @ 300 (1
	1.22 (4.0)	15 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (*
	3.35 (11.0)								1
	3.05 (10.0)							/	
	2.74 (9.0)			10 10 (0)	15 M @ 150 (6)	/			15 M @ 150 (6
	2.13 (7.0) 2.44 (8.0)		15 M @ 150 (6)	15 M @ 150 (6) 15 M @ 150 (6)	15 M @ 150 (6) 15 M @ 150 (6)		15 M @ 150 (6)	15 M @ 150 (6) 15 M @ 150 (6)	15 M @ 150 (6 15 M @ 150 (6
(11.0)	1.83 (6.0)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)		15 M @ 150 (6)		15 M @ 300 (1
3.35	1.53 (5.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 300 (12)	15 M @ 150 (6)			15 M @ 300 (*
	1.22 (4.0)	15 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 300 (12)			10 M @ 300 (*
	3.05 (10.0)			15 M @ 150 (6)	15 M @ 150 (6)	15 11 0 000 (10)			15 M @ 150 (6
	2.74 (9.0)		4	15 M @ 150 (6)	15 M @ 150 (6)			15 M @ 150 (6)	15 M @ 150 (
	2.44 (8.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 150 (6)			15 M @ 150 (6)	15 M @ 150 (
	2.13 (7.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 150 (6
(10.0)	1.83 (6.0)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 150 (6)	15 M @ 150 (6)		15 M @ 300 (1
3.05	1.53 (5.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 150 (6)	15 M @ 300 (12)		15 M @ 300 (*
	1.22 (4.0)	15 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 300 (12)	15 M @ 450 (18)		10 M @ 300 (
	2.74 (9.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 150 (6)			15 M @ 150 (6)	15 M @ 150 (6
	2.44 (8.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 150 (6)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 150 (6
	2.13 (7.0)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (1
(9.0)	1.83 (6.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (1
2.74	1.53 (5.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (1
	1.22 (4.0)	15 M @ 450 (18)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (1
	2.44 (8.0)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (1
	2.13 (7.0)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (1
(8.0)	1.83 (6.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 300 (12)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (1
2.44	1.53 (5.0)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 150 (6)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 450 (1
	1.22 (4.0)	15 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (1
()		25MPa Wall	Wall	Wall	Wall	25MPa Wall	Wall	Wall	Wall
m (ft)	m (ft)	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (12")	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (1
Height	Height		480 kg/m	3 (30 ncf)	Baolani Equitaio		720 kg/m ³	(45 pcf)	
Wall	Backfill				Backfill Equivale	ont Fluid Density			

3

For highlighted data, where the below grade wall meets all the requirements of NBCC Part 9 for a solid concrete foundation wall and 1. supports only wood frame construction above, a 20MPa unreinforced wall is adequate as per 2020 NBCC table 9.15.4.2.A. Provide the reinforcing shown for walls supporting ICF walls above or with brick veneer supported with the brick ledge form.

Below grade walls supporting "Drained Earth" in accordance with 2020 NBCC 9.4.4.6 may be designed for an equivalent fluid pressure of 480 kg/m3.

This table is to be used in conjunction with the "Design Limitations" and "Below Grade Reinforcement Placement" drawing.

Provide 3 horizontal bars in every two rows of 18" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars, as shown in Detail A.4.

Provide 4 horizontal bars in every three rows of 16" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars, as shown in Detail A.5.





Table B.4.1. Continued– Below Grade Wall Distributed Reinforcement for Seismic Zone Classification, $0.31 < S_{a,ICF} \le 0.79$ and Hourly Wind Pressure, q1/50 ≤ 1.05 kPa, for ICF Walls with <u>6</u>" <u>Tie Spacing</u>

einforcement	Block Height of 16"	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (1
Horizontal	Block height of 12" and 18"	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12
	3.66 (12.0)			-					
	3.35 (11.0)								
	3.05 (10.0)								
	2.74 (9.0)				10 11 (@ 100 (0)				
	2.44 (8.0)			10 10 (0)	15 M @ 150 (6)			10 10 (0)	15 M @ 150 (6
(12.0)	2.13 (7.0)		10 10 (0)	15 M @ 150 (6)	15 M @ 150 (6)		10 10 (0)	15 M @ 150 (6)	15 M @ 150 (6
(12.0)	1.83 (6.0)	10 10 (0)	15 M @ 150 (12)	15 M @ 150 (6)	15 M @ 300 (12)	10 10 (0)	15 M @ 150 (12)	15 M @ 150 (6)	15 M @ 300 (1
3.66	1.53 (5.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (12)	15 M @ 300 (12)	15 M @ 150 (6)		15 M @ 300 (12)	15 M @ 300 (1
_	3.35 (11.0) 1.22 (4.0)	15 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 300 (12)	15 M @ 450 (19)	10 M @ 300 (12)	10 M @ 300 (1
								- /- · ·	
	2.74 (9.0) 3.05 (10.0)				15 M @ 150 (6)			×	
	2.44 (8.0)			15 M @ 150 (6)	15 M @ 150 (6)			15 M @ 150 (6)	15 M @ 150 (6
	2.13 (7.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 150 (6)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 150 (0
(11.0)	1.83 (6.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (*
3.35	1.53 (5.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 300 (12)	15 M @ 150 (6)		15 M @ 300 (12)	15 M @ 300 (
	1.22 (4.0)	15 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 300 (12)		10 M @ 300 (12)	10 M @ 300 (*
	3.05 (10.0)				15 M @ 150 (6)				
	2.74 (9.0)			15 M @ 150 (6)	15 M @ 150 (6)				15 M @ 150 (6
	2.44 (8.0)	V N		15 M @ 150 (6)	15 M @ 150 (6)		V	15 M @ 150 (6)	15 M @ 150 (
	2.13 (7.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 150 (6)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 150 (
(10.0)	1.83 (6.0)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (
3.05	1.53 (5.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 300 (12)	15 M @ 150 (6)		15 M @ 450 (18)	15 M @ 300 (
	1.22 (4.0)	15 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 300 (12)		10 M @ 300 (12)	10 M @ 300 (
	2.74 (9.0)			15 M @ 150 (6)	15 M @ 150 (6)			15 M @ 150 (6)	15 M @ 150 (
	2.44 (8.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 150 (6)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 150 (
	2.13 (7.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (
(9.0)	1.83 (6.0)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (*
2.74	1.53 (5.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	10 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 300 (1
	1.22 (4.0)	15 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (1
	2.44 (8.0)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 150 (6
	2.13 (7.0)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)		15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (1
(8.0)	1.83 (6.0)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 150 (6)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 300 (*
2.44	1.53 (5.0)	15 M @ 150 (6)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 450 (18)	15 M @ 150 (6)	15 M @ 300 (12)	15 M @ 450 (18)	15 M @ 450 (*
	1.22 (4.0)	15 M @ 450 (18)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (12)	15 M @ 300 (12)	15 M @ 450 (18)	10 M @ 300 (12)	10 M @ 300 (1
(ft)	m(n)	150 mm (6") 25MPa Wall	200 mm (8") Wall	250 mm (10") Wall	300 mm (12") Wall	150 mm (6") 25MPa Wall	200 mm (8") Wall	250 mm (10") Wall	300 mm (1 Wall
m	Height m (ft)		960 kg/m				1200 kg/m		
Height	Backfill				Backfill Equivale	nt Fluid Density			
Wall									

NOTES: 1.

For highlighted data, where the below grade wall meets all the requirements of NBCC Part 9 for a solid concrete foundation wall and supports only wood frame construction above, a 20MPa unreinforced wall is adequate as per 2020 NBCC table 9.15.4.2.A. Provide the reinforcing shown for walls supporting ICF walls above or with brick veneer supported with the brick ledge form.

Below grade walls supporting "Drained Earth" in accordance with 2020 NBCC 9.4.4.6 may be designed for an equivalent fluid pressure of 480 kg/m3.

This table is to be used in conjunction with the "Design Limitations" and "Below Grade Reinforcement Placement" drawing. Provide 3 horizontal bars in every two rows of 18" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars, as shown in Detail A.4. Provide 4 horizontal bars, as shown in Detail A.5.





Table B.4.2. – Below Grade Wall Distributed Reinforcement for Seismic Zone Classification, 0.31 < $S_{a,ICF} \le 0.79$ and Hourly Wind Pressure, q1/50 ≤ 1.05 kPa, for ICF Walls with <u>8" Tie Spacing</u>

	Block Height of 16"	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12
Horizontal	Block height of 12" and 18"	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12
	3.66 (12.0)								
	3.35 (11.0)	\rightarrow							
	3.05 (10.0)								
	2.74 (9.0)								
	2.44 (8.0)					V			
、· - ···,	2.13 (7.0)			15 M @ 200 (8)	15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (8
(12.0)	1.83 (6.0)	(5 (0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
3.66	1.53 (5.0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
	1.22 (4.0)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 200 (8)	15 M @ 600 (24)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 200 (8)	15 M @ 400 (1
	3.35 (11.0)					/		/	
	3.05 (10.0)							/	
	2.74 (9.0)								
	2.44 (8.0)				15 M @ 200 (8)				
(11.0)	2.13 (7.0)			15 M @ 200 (8)	15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (8
(11.0)	1.83 (6.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
3.35	1.53 (5.0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
	1.22 (4.0)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 200 (8)	10 M @ 400 (16)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 200 (8)	15 M @ 400 (1
	3.05 (10.0)	V V					V		
	2.74 (9.0)	\sim		13 10 @ 200 (0)	13 10 @ 200 (0)				13 10 (@ 200 (0
	2.44 (8.0)			15 M @ 200 (8)	15 M @ 200 (8)			13 W @ 200 (0)	15 M @ 200 (8
(10.0)	2.13 (7.0)		10 m @ 200 (0)	15 M @ 200 (8)	15 M @ 200 (8)		10 m @ 200 (0)	15 M @ 200 (8)	15 M @ 200 (8
(10.0)	1.83 (6.0)	13 14 @ 200 (0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)	13 10 @ 200 (0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (1
3.05	1.53 (5.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
	1.22 (4.0)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 200 (8)	10 M @ 400 (16)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 200 (8)	10 M @ 200 (0
	2.44 (8.0) 2.74 (9.0)			15 M @ 200 (8) 15 M @ 200 (8)	15 M @ 200 (8) 15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (8 15 M @ 200 (8
			15 101 (@ 200 (8)			· · · · · · · · · · · · · · · · · · ·	13 10 @ 200 (8)		
(9.0)	1.83 (6.0) 2.13 (7.0)		15 M @ 200 (8) 15 M @ 200 (8)	15 M @ 200 (8) 15 M @ 200 (8)	15 M @ 200 (8) 15 M @ 200 (8)		15 M @ 200 (8) 15 M @ 200 (8)	15 M @ 200 (8) 15 M @ 200 (8)	15 M @ 200 (8 15 M @ 200 (8
2.74	1.53 (5.0)	15 M @ 200 (8)		15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 200 (8)		15 M @ 400 (16)	15 M @ 400 (1
0.74	1.22 (4.0)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 200 (8)	10 M @ 400 (16)	15 M @ 400 (16)		10 M @ 200 (8)	10 M @ 400 (1
	2.44 (8.0)	15 11 0 100 110	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
	2.13 (7.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
(8.0)	1.83 (6.0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 200 (8
2.44	1.53 (5.0)	15 M @ 200 (8)		15 M @ 400 (16)	10 M @ 200 (8)	15 M @ 200 (8)		15 M @ 400 (16)	10 M @ 200 (8
	1.22 (4.0)	15 M @ 400 (16)			10 M @ 400 (16)	15 M @ 400 (16)	15 M @ 400 (16)		10 M @ 400 (1
(14)		25MPa Wall	Wall	Wall	Wall	25MPa Wall	Wall	Wall	Wall
m (ft)	m (ft)	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (12")	150 mm (6")	200 mm (8")	250 mm (10")	300 mm (1
Height	Height		480 kg/m ³	(30 pcf)	Baokini Equival	Sher haid Density	720 kg/m ³	³ (45 pcf)	
Wall	Backfill				Backfill Equivale	nt Eluid Density			

NOTES:

For highlighted data, where the below grade wall meets all the requirements of NBCC Part 9 for a solid concrete foundation wall and 1. supports only wood frame construction above, a 20MPa unreinforced wall is adequate as per 2020 NBCC table 9.15.4.2.A. Provide the reinforcing shown for walls supporting ICF walls above or with brick veneer supported with the brick ledge form. Below grade walls supporting "Drained Earth" in accordance with 2020 NBCC 9.4.4.6 may be designed for an equivalent fluid pressure of

480 kg/m3.

This table is to be used in conjunction with the "Design Limitations" and "Below Grade Reinforcement Placement" drawing.

Provide 3 horizontal bars in every two rows of 18" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars, as shown in Detail A.4. Provide 4 horizontal bars in every three rows of 16" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars, as shown in Detail A.5.





Table B.4.2. Continued– Below Grade Wall Distributed Reinforcement for Seismic Zone Classification, 0.31 < $S_{a,ICF} \le 0.79$ and Hourly Wind Pressure, q1/50 ≤ 1.05 kPa, for ICF Walls with <u>8</u>" <u>Tie Spacing</u>

einforcement	Block Height of 16"	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12
Horizontal	Block height of 12" and 18"	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12)	15 M @ 300 (12
_	3.66 (12.0)								·
	3.35 (11.0)								
	3.05 (10.0)								
	2.74 (9.0)								
	2.44 (8.0)				10 11 @ 200 (0)				
(12.0)	2.13 (7.0)			.0.101 (0) 200 (0)	15 M @ 200 (8)	V /			15 M @ 200 (8
(12.0)	1.83 (6.0)	.0 (@ 200 (0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (8
3.66	1.53 (5.0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 200 (8)	10 10 (0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 200 (8
	1.22 (4.0)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 200 (8)	15 M @ 400 (16)	15 M @ 200 (8)	10 M @ 200 (8)	15 M @ 600 (24)	15 M @ 400 (1
- 12	3.35 (11.0)							A	
	2.74 (9.0) 3.05 (10.0)					/		/	
- 12	2.44 (8.0)							/	
	2.13 (7.0)			15 M @ 200 (8)	15 M @ 200 (8)	/		15 M @ 200 (8)	15 M @ 200 (8
(11.0)	1.83 (6.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
3.35	1.53 (5.0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 200 (8
	1.22 (4.0)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 200 (8)	15 M @ 400 (16)	15 M @ 200 (8)	10 M @ 200 (8)	15 M @ 600 (24)	15 M @ 400 (1
	3.05 (10.0)		10.11.0.000				10.11.0.000	1.5.1.0.000	
	2.74 (9.0)								
2	2.44 (8.0)	V V	· · · · ·		15 M @ 200 (8)		V	· · · · · · · · · · · · · · · · · · ·	15 M @ 200 (8
V	2.13 (7.0)			15 M @ 200 (8)	15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (8
(10.0)	1.83 (6.0)	·	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
3.05	1.53 (5.0)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
0.05	1.22 (4.0)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	10 M @ 200 (8)	15 M @ 600 (24)	15 M @ 400 (1
	2.74 (9.0)		10.11.0.000.000	10.11.0.000.000	15 M @ 200 (8)		40.04.05.0000.000	15.11.0.000 /0./	15 M @ 200 (8
	2.44 (8.0)			15 M @ 200 (8)	15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (8
	2.13 (7.0)			15 M @ 200 (8)	15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (8
(9.0)	1.83 (6.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
2.74	1.53 (5.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (1
	1.22 (4.0)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 200 (8)	15 M @ 400 (1
	2.44 (8.0)			15 M @ 200 (8)	15 M @ 200 (8)			15 M @ 200 (8)	15 M @ 200 (8
	2.13 (7.0)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
(8.0)	1.83 (6.0)		15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 200 (8)		15 M @ 200 (8)	15 M @ 200 (8)	15 M @ 200 (8
2.44	1.53 (5.0)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	10 M @ 200 (8)	15 M @ 200 (8)	15 M @ 400 (16)	15 M @ 400 (16)	15 M @ 400 (1
	1.22 (4.0)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 200 (8)	10 M @ 400 (16)	15 M @ 400 (16)	10 M @ 200 (8)	10 M @ 200 (8)	15 M @ 400 (1
(ft)	m (ft)	150 mm (6") 25MPa Wall	200 mm (8") Wall	250 mm (10") Wall	300 mm (12") Wall	150 mm (6") 25MPa Wall	200 mm (8") Wall	250 mm (10") Wall	300 mm (1 Wall
Height m	Height		960 kg/m ³	(60 pcf)			1200 kg/m	³ (75 pcf)	
	Backfill				Backfill Equivale				

NOTES: 1.

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For highlighted data, where the below grade wall meets all the requirements of NBCC Part 9 for a solid concrete foundation wall and supports only wood frame construction above, a 20MPa unreinforced wall is adequate as per 2020 NBCC table 9.15.4.2.A. Provide the reinforcing shown for walls supporting ICF walls above or with brick veneer supported with the brick ledge form.

Below grade walls supporting "Drained Earth" in accordance with 2020 NBCC 9.4.4.6 may be designed for an equivalent fluid pressure of 480 kg/m3.

This table is to be used in conjunction with the "Design Limitations" and "Below Grade Reinforcement Placement" drawing. Provide 3 horizontal bars in every two rows of 18" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars, as shown in Detail A.4. Provide 4 horizontal bars in every three rows of 16" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars, as shown in Detail A.5.





Table A.1.1. Above Grade Wall Distributed Reinforcement for Seismic Zone Classification, Sa,ICF ≤ 0.16 and Hourly Wind Pressure, $q_{1/50} \le 1.05$ kPa, for ICF Walls with <u>6" Tie Spacing</u>

Wall Height		Distributed Ver	tical Reinf	orcement (Size a	nd Spacin	g)			
m (ft)		150 mm (6") 251	MPa Wall	200 mm (8") W	all	250 mm (10") V	Vall	300 mm (12") V	Vall
Hourly Wind Pressure q 1/50	≤ 0.5 kPa								
2.44 (8)		10 M @ 600	(24)	10 M @ 750	(30)	10 M @ 900	(36)	10 M @ 1200	(48)
2.75 (9)		10 M @ 600	(24)	10 M @ 750	(30)	10 M @ 900	(36)	10 M @ 1200	(48)
3.05 (10)		15 M @ 900	(36)	10 M @ 750	(30)	10 M @ 900	(36)	10 M @ 1200	(48)
3.66 (12)		15 M @ 750	(30)	15 M @ 900	(36)	10 M @ 600	(24)	10 M @ 1200	(48)
4.27 (14)		15 M @ 300	(12)	15 M @ 750	(30)	15 M @ 900	(36)	10 M @ 1200	(48)
4.88 (16)		15 M @ 300	(12)	15 M @ 600	(24)	15 M @ 750	(30)	10 M @ 900	(36)
Hourly Wind Pressure q 1/50	≤ 0.75 kPa								
2.44 (8)		15 M @ 1050	(42)	10 M @ 750	(30)	10 M @ 900	(36)	10 M @ 1200	(48)
2.75 (9)		15 M @ 750	(30)	10 M @ 600	(24)	10 M @ 750	(30)	10 M @ 1200	(48)
3.05 (10)		15 M @ 600	(24)	15 M @ 1050	(42)	10 M @ 600	(24)	10 M @ 1200	(48)
3.66 (12)		15 M @ 300	(12)	15 M @ 750	(30)	15 M @ 900	(36)	10 M @ 1200	(48)
4.27 (14)		15 M @ 300	(12)	15 M @ 450	(18)	15 M @ 750	(30)	10 M @ 750	(30)
4.88 (16)		15 M @ 150	(6)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 750	(30)
Hourly Wind Pressure q 1/50	≤ 1.05 kPa								
2.44 (8)		15 M @ 750	(30)	15 M @ 900	(36)	10 M @ 600	(24)	10 M @ 1200	(48)
2.75 (9)		15 M @ 600	(24)	15 M @ 750	(30)	15 M @ 1200	(48)	10 M @ 1200	(48)
3.05 (10)		15 M @ 450	(18)	15 M @ 750	(30)	15 M @ 750	(30)	10 M @ 900	(36)
3.66 (12)		15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 600	(24)	10 M @ 750	(30)
4.27 (14)		15 M @ 150	(6)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 900	(36)
4.88 (16)				15 M @ 150	(6)	15 M @ 300	(12)	15 M @ 750	(30)
Horizontal Block Height	of 12" and 18"	10 M @ 900	(36)	10 M @ 900	(36)	10 M @ 900	(36)	10 M @ 900	(36)
Block Height	of 16"	10 M @ 800	(32)	10 M @ 800	(32)	10 M @ 800	(32)	10 M @ 800	(32)

Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A. 1.

2. Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in the rebar placement drawing.

3. This table is to be used in conjunction with the "Design Limitations."

Bolded data indicates reinforcing for ground floor concrete walls only. Second floor concrete walls to be limited in height to 3.0m (10'-0"). 4.

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Table A.1.2. Above Grade Wall Distributed Reinforcement for Seismic Zone Classification, Sa,ICF ≤ 0.16 and Hourly Wind Pressure, $q_{1/50} \leq 1.05$ kPa, for ICF Walls with <u>8" Tie Spacing</u>

	Wall Height		D	istributed Vertica	l and Rei	inforcement (Size a	and Spac	ing)	
	m (ft)	150 mm (6") 251	MPa Wall	200 mm (8") W	all	250 mm (10") V	Vall	300 mm (12") V	Vall
lourly Wind Pi	ressure q _{1/50} ≤ 0.5 kPa								
2.44	(8)	10 M @ 600	(24)	10 M @ 800	(32)	10 M @ 1000	(40)	10 M @ 1200	(48)
2.75	5 (9)	10 M @ 600	(24)	10 M @ 800	(32)	10 M @ 1000	(40)	10 M @ 1200	(48)
3.05	6 (10)	15 M @ 1000	(40)	10 M @ 800	(32)	10 M @ 1000	(40)	10 M @ 1200	(48)
3.66	5 (12)	15 M @ 800	(32)	15 M @ 1000	(40)	10 M @ 600	(24)	10 M @ 1200	(48)
4.27	(14)	15 M @ 400	(16)	15 M @ 800	(32)	15 M @ 1000	(40)	10 M @ 1200	(48)
4.88	3 (16)	15 M @ 400	(16)	15 M @ 600	(24)	15 M @ 800	(32)	10 M @ 1000	(40)
lourly Wind Pi	ressure q _{1/50} ≤ 0.75 kPa								
2.44	l (8)	15 M @ 1200	(48)	10 M @ 800	(32)	10 M @ 1000	(40)	10 M @ 1200	(48)
2.75	5 (9)	15 M @ 800	(32)	10 M @ 600	(24)	10 M @ 800	(32)	10 M @ 1200	(48)
3.05	5 (10)	15 M @ 600	(24)	15 M @ 1200	(48)	10 M @ 600	(24)	10 M @ 1200	(48)
3.66	5 (12)	15 M @ 400	(16)	15 M @ 800	(32)	15 M @ 1000	(40)	10 M @ 1200	(48)
4.27	/ (14)	15 M @ 400	(16)	15 M @ 600	(24)	15 M @ 800	(32)	10 M @ 800	(32)
4.88	8 (16)	15 M @ 200	(8)	15 M @ 400	(16)	15 M @ 400	(16)	15 M @ 800	(32)
lourly Wind Pi	ressure q _{1/50} ≤ 1.05 kPa								
2.44	l (8)	15 M @ 800	(32)	15 M @ 1000	(40)	10 M @ 600	(24)	10 M @ 1200	(48)
2.75	5 (9)	15 M @ 600	(24)	15 M @ 800	(32)	15 M @ 1200	(48)	10 M @ 1200	(48)
3.05	5 (10)	15 M @ 600	(24)	15 M @ 800	(32)	15 M @ 800	(32)	10 M @ 1000	(40)
3.66	5 (12)	15 M @ 400	(16)	15 M @ 400	(16)	15 M @ 600	(24)	10 M @ 800	(32)
4.27	7 (14)	15 M @ 200	(8)	15 M @ 400	(16)	15 M @ 400	(16)	15 M @ 1000	(40)
4.88	3 (16)			15 M @ 200	(8)	15 M @ 400	(16)	15 M @ 800	(32)
Horizontal	Block Height of 12" and 18"	10 M @ 900	(36)	10 M @ 900	(36)	10 M @ 900	(36)	10 M @ 900	(36)
Reinforcement	Block Height of 16"	10 M @ 800	(32)	10 M @ 800	(32)	10 M @ 800	(32)	10 M @ 800	(32)
IOTES:								1	

ES:

Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A. 1.

2. Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in the rebar placement drawing.

This table is to be used in conjunction with the "Design Limitations." З.

Bolded data indicates reinforcing for ground floor concrete walls only. Second floor concrete walls to be limited in height to 3.0m (10'-0"). Alternating vertical bar spacing of 8" o.c. and 16" o.c. may be used to achieve an average spacing of 12" o.c. where 12" o.c. spacing is 4. 5. specified for vertical bars, as shown in Detail A.5.

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Table A.2.1. Above Grade Wall Distributed Reinforcement for Seismic Zone Classification, $S_{a,ICF} > 0.16$ and Hourly Wind Pressure, $q_{1/50} \le 1.05$ kPa for, ICF Walls with <u>6" Tie Spacing</u>

	Wall Height			Distributed Vert	ical Reinf	orcement (Size ar	nd Spacing	g)	
	m (ft)	150 mm (6") 25	MPa Wall	200 mm (8") W	/all	250 mm (10")	Wall	300 mm (12")	Wall
Seismic zone c	lassification, S _{a,ICF} ≤ 0.31								
2.44	1 (8)	10 M @ 300	(12)	10 M @ 300	(12)	10 M @ 300	(12)	10 M @ 300	(12)
2.75	5 (9)	10 M @ 300	(12)	10 M @ 300	(12)	10 M @ 300	(12)	10 M @ 300	(12)
3.05	5 (10)	15 M @ 300	(12)	10 M @ 300	(12)	10 M @ 300	(12)	10 M @ 300	(12)
3.66	5 (12)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 600	(24)	10 M @ 300	(12)
4.27	7 (14)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
4.88	3 (16)			15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
Horizontal	Block Height of 12" and 18"	10 M @ 450	(18)	10 M @ 450	(18)	10 M @ 450	(18)	10 M @ 450	(18)
Reinforcement	Block Height of 16"	10 M @ 400	(16)	10 M @ 400	(16)	10 M @ 400	(16)	10 M @ 400	(16)
Seismic zone c	lassification, S _{a,ICF} ≤ 0.53								
2.44	1 (8)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
	5 (9)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
3.05	5 (10)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
3.66	5 (12)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
4.27	7 (14)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
4.88	3 (16)		- V	15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
Horizontal	Block Height of 12" and 18"	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)
Reinforcement	Block Height of 16"	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)
Seismic zone c	lassification, S _{a,ICF} ≤ 0.79								
2.44	(8)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
2.75	(9)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
3.05	(10)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
3.66	(12)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
4.27	(14)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
4.88	(16)			15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
Horizontal	Block Height of 12" and 18"	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)
Reinforcement	Block Height of 16"	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)

1. S_{a,ICF} is equivalent spectral response acceleration for ICF walls as provided in Appendix A.

2. Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in the rebar placement drawing.

3. This table is to be used in conjunction with the "Design Limitations."

Bolded data indicates reinforcing for ground floor concrete walls only. Second floor concrete walls to be limited in height to 3.0m (10'-0").
 Alternating horizontal bar spacing of 12" o.c. and 24" o.c. may be used to achieve an average spacing of 18" o.c. where 18" o.c. spacing

Alternating horizontal bar spacing of 12" o.c. and 24" o.c. may be used to achieve an average spacing of 18" o.c. where 18" o.c. spacing is specified for horizontal bars, as shown in Detail A.3.
 Provide 3 horizontal bars in every two rows of 18" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified.

Provide 3 horizontal bars in every two rows of 18" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars, as shown in Detail A.4.
 Provide 4 horizontal bars in every three rows of 16" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified

for horizontal bars, as shown in Detail A.5.

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Table A.2.2. Above Grade Wall Distributed Reinforcement for Seismic Zone Classification, Sa,ICF > 0.16 and Hourly Wind Pressure, $q_{1/50} \leq 1.05$ kPa for, ICF Walls with <u>8" Tie Spacing</u>

	Wall Height			Distributed Vert	ical Reinf	forcement (Size ar	nd Spacing)	
	m (ft)	150 mm (6") 251	MPa Wall	200 mm (8") W	/all	250 mm (10")	Nall	300 mm (12")	Wall
Seismic zone cl	assification, S _{a,ICF} ≤ 0.31								
2.44	(8)	10 M @ 300	(12)	10 M @ 300	(12)	10 M @ 300	(12)	10 M @ 400	(16)
2.75	5 (9)	10 M @ 300	(12)	10 M @ 300	(12)	10 M @ 300	(12)	10 M @ 400	(16)
3.05	5 (10)	15 M @ 400	(16)	10 M @ 300	(12)	10 M @ 300	(12)	10 M @ 400	(16)
3.66	5 (12)	15 M @ 300	(12)	15 M @ 400	(16)	15 M @ 600	(24)	10 M @ 400	(16)
4.27	′ (14)	15 M @ 300	(12)	15 M @ 400	(16)	15 M @ 400	(16)	10 M @ 400	(16)
4.88	3 (16)			15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 400	(16)
Horizontal	Block Height of 12" and 18"	10 M @ 450	(18)	10 M @ 450	(18)	10 M @ 450	(18)	10 M @ 450	(18)
Reinforcement	Block Height of 16"	10 M @ 400	(16)	10 M @ 400	(16)	10 M @ 400	(16)	10 M @ 400	(16)
Seismic zone cl	assification, S _{a,ICF} ≤ 0.53								
2.44	(8)	15 M @ 300	(12)	15 M @ 400	(16)	15 M @ 400	(16)	10 M @ 300	(12)
2.75	5 (9)	15 M @ 300	(12)	15 M @ 400	(16)	15 M @ 400	(16)	10 M @ 300	(12)
3.05	5 (10)	15 M @ 300	(12)	15 M @ 400	(16)	15 M @ 400	(16)	10 M @ 300	(12)
3.66	5 (12)	15 M @ 300	(12)	15 M @ 400	(16)	15 M @ 400	(16)	10 M @ 300	(12)
4.27	/ (14)	15 M @ 300	(12)	15 M @ 400	(16)	15 M @ 400	(16)	10 M @ 300	(12)
4.88	3 (16)			15 M @ 300	(12)	15 M @ 400	(16)	10 M @ 300	(12)
Horizontal	Block Height of 12" and 18"	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)
Reinforcement	Block Height of 16"	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)
Seismic zone cl	assification, S _{a,ICF} ≤ 0.79								
2.44	(8)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
2.75	(9)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
3.05	(10)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
3.66	(12)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
4.27	(14)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
4.88	(16)			15 M @ 300	(12)	15 M @ 300	(12)	10 M @ 300	(12)
Horizontal	Block Height of 12" and 18"	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)
Reinforcement	Block Height of 16"	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)	15 M @ 300	(12)

ES:

Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A. 1.

2. Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in the rebar placement drawing.

This table is to be used in conjunction with the "Design Limitations." 3.

4. Bolded data indicates reinforcing for ground floor concrete walls only. Second floor concrete walls to be limited in height to 3.0m (10'-0"). Alternating horizontal bar spacing of 12" o.c. and 24" o.c. may be used to achieve an average spacing of 18" o.c. where 18" o.c. spacing is 5. specified for horizontal bars, as shown in Detail A.3.

6. Provide 3 horizontal bars in every two rows of 18" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars, as shown in Detail A.4.

Provide 4 horizontal bars in every three rows of 16" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars, as shown in Detail A.5.

Alternating vertical bar spacing of 8" o.c. and 16" o.c. may be used to achieve an average spacing of 12" o.c. where 12" o.c. spacing is specified for vertical bars, as shown in Detail A.6.





Table A.3.3200. Above Grade Shear Wall Length for Seismic Zone Classification, Sa,ICF ≤ 0.16 and Hourly Wind Pressure, q1/50 ≤ 0.5kPa (in a Building Without Walkout Basement), where Building Area ≤ 3200ft²

Wall Height m (ft)							Se	ismic Zone	Classificati	on							
		S _{a,ICI}	≤ 0.07					S _{a,ICF}	≤ 0.11					S _{a,ICF}	≤ 0.16		
nd Floor Walls of Two Story ICF St	ucture Supporting \	Wood Frame Ro	of (TYPE A)														
	6" & 8"	Thick Wall	10" 8	& 12" Thick	Wall	6" &	8" Thick	Wall	10" 8	& 12" Thick	Wall	6" 8	& 8" Thick \	Wall	10" 8	k 12" Thick	Wall
	Number and ler	ngth of shear wa															
2.44 (8)	1 x 8'-0" 2 x	4'-0" 3 x 2'-8"		2 x 4'-0"		1 x 8'-0"					3 x 3'-0"		2 x 4'-0"			2 x 4'-0"	
2.75 (9)	1 x 8'-0" 2 x	4'-0" 3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-6"	3 x 3'-6"	1 x 8'-0"	2 x 5'-0"	3 x 3
3.05 (10)	1 x 8'-0" 2 x	4'-0" 3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 3'-6"	1 x 8'-0"	2 x 4'-6"	3 x 3'-6"	1 x 8'-6"	2 x 5'-6"	3 x 4'-0"	1 x 9'-0"	2 x 5'-6"	3 x
Floor Walls of One Story ICF Strue	ture Supporting Wo	ood Frame Roof															
	6" & 8" '	Thick Wall	10" 8	& 12" Thick	Wall	6" &	8" Thick	Wall	10" 8	& 12" Thick	Wall	6" 8	& 8" Thick \	Wall	10" 8	k 12" Thick	Wal
	Number and ler	ngth of shear wa	lls provided														
2.44 (8)	1 x 8'-0" 2 x	4'-0" 3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x
2.75 (9)	1 x 8'-0" 2 x	4'-0" 3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x
3.05 (10)	1 x 8'-0" 2 x	4'-0" 3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-6"	3 x 3'-6"	1 x 8'-0"	2 x 5'-0"	3 x
3.66 (12)	1 x 8'-0" 2 x	4'-0" 3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-6"	3 x 3'-6"	1 x 8'-0"	2 x 4'-6"	3 x 3'-6"	1 x 9'-0"	2 x 6'-0"	3 x 4'-6"	1 x 9'-0"	2 x 5'-6"	3 x
4.27 (14)	1 x 8'-0" 2 x	4'-0" 3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 5'-0"	3 x 4'-0"	1 x 8'-0"	2 x 5'-6"	3 x 4'-0"	1 x 9'-4"	2 x 6'-0"	3 x 5'-0"	1 x 10'-0"	2 x 7'-0"	3 x
4.88 (16)	1 x 8'-0" 2 x	4'-0" 3 x 3'-0"	1 x 8'-0"	2 x 5'-0"	3 x 4'-0"	1 x 8'-0"	2 x 5'-0"	3 x 4'-0"	1 x 9'-0"	2 x 6'-0"	3 x 4'-6"	1 x 10'-0"	2 x 6'-6"	3 x 5'-0"	1 x 11'-0"	2 x 7'-6"	3 x
Floor Walls of Two Story Structur	e Supporting 2nd St	tory Wood Fram	ed Walls, Fl	oor and Ro	oof (TYPE C	:)						•					
	6" & 8"	Thick Wall	10" 8	& 12" Thick	Wall	6" &	8" Thick	Wall	10" 8	& 12" Thick	Wall	6" 8	& 8" Thick \	Wall	10" 8	k 12" Thick	Wal
	Number and ler	ngth of shear wa	lls provided														
2.44 (8)	1 x 8'-0" 2 x	4'-0" 3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 9'-0"	2 x 6'-0"	3 x 5'-0"	1 x 9'-0"	2 x 6'-6"	3 x 5'-0"	1 x 11'-0"	2 x 7'-0"	3 x 5'-6"	1 x 11'-6"	2 x 7'-0"	3 x
2.75 (9)	1 x 8'-0" 2 x	4'-6" 3 x 3'-6"	1 x 8'-0"	2 x 4'-6"	3 x 3'-6"	1 x 9'-0"	2 x 6'-6"	3 x 5'-0"	1 x 10'-0"	2 x 7'-0"	3 x 5'-0"	1 x 12'-0"	2 x 7'-6"	3 x 6'-0"	1 x 12'-0"	2 x 7'-6"	3 x
3.05 (10)	1 x 8'-0" 2 x	5'-0" 3 x 4'-0"	1 x 8'-0"	2 x 5'-0"	3 x 4'-0"	1 x 9'-6"	2 x 7'-4"	3 x 6'-0"	1 x 10'-0"	2 x 7'-4"	3 x 6'-0"	1 x 12'-0"	2 x 8'-0"	3 x 6'-6"	1 x 12'-6"	2 x 8'-0"	3 x
3.66 (12)	1 x 8'-6" 2 x	5'-6" 3 x 4'-0"	1 x 8'-6"	2 x 5'-6"	3 x 4'-0"	1 x 10'-6"	2 x 8'-4"	3 x 6'-6"	1 x 10'-6"	2 x 8'-4"	3 x 6'-6"	1 x 13'-0"	2 x 9'-0"	3 x 7'-0"	1 x 13'-0"	2 x 9'-0"	3 x
4.27 (14)	1 x 8'-6" 2 x	5'-6" 3 x 4'-6"	1 x 8'-6"	2 x 6'-0"	3 x 4'-6"	1 x 11'-0"	2 x 8'-6"	3 x 7'-0"	1 x 11'-6"	2 x 9'-0"	3 x 7'-0"	1 x 13'-0"	2 x 9'-0"	3 x 7'-0"	1 x 14'-0"	2 x 10'-0"	3 x
4.88 (16)	1 x 8'-6" 2 x	5'-6" 3 x 4'-6"	1 x 9'-0"	2 x 6'-0"	3 x 5'-0"	1 x 11'-0"	2 x 9'-0"	3 x 7'-6"	1 x 12'-0"	2 x 9'-6"	3 x 7'-6"	1 x 13'-0"	2 x 9'-0"	3 x 7'-6"	1 x 14'-6"	2 x 10'-0"	3 x
Floor Walls of Two Story ICF Strue	ture Supporting Wo	ood Frame Floor	s and Roof	(TYPE D)		V	V.		\sim	V		- V		V.	V.		\mathcal{N}
	6" & 8"	Thick Wall	10" 8	& 12" Thick	Wall	6" &	8" Thick	Wall	10" 8	& 12" Thick	Wall	6" 8	& 8" Thick !	Wall	10" 8	k 12" Thick	Wal
		ngth of shear wa															
2.44 (8)	1 x 9'-0" 2 x	5'-6" 3 x 4'-0"	1 x 9'-0"	2 x 5'-6"	3 x 4'-6"	1 x 11'-0"	2 x 7'-0"	3 x 5'-6"	1 x 12'-0"	2 x 8'-0"	3 x 6'-0"	1 x 14'-0"	2 x 9'-0"	3 x 7'-0"	1 x 16'-0"	2 x 10'-0"	3 x
2.75 (9)		6'-0" 3 x 4'-0"	1 x 10'-0"	2 x 6'-0"	3 x 5'-0"	1 x 12'-0"	2 x 7'-6"						2 x 9'-6"				
	1 x 9'-6" 2 x	6'-0" 3 x 4'-6"	1 x 10'-0"	2 x 6'-6"	3 x 5'-0"	1 x 13'-0"	2 x 8'-0"	3 x 6'-0"	1 x 13'-0"	2 x 8'-6"	3 x 7'-0"	1 x 15'-6"	2 x 10'-0"	3 x 8'-0"	1 x 17'-0"	2 x 11'-0"	3 x
3.05 (10)			1 10! 0!!	2 x 7'-0"	3 x 5'-0"	1 x 13'-0"							2 x 11'-0"				
3.66 (12)		7'-0" 3 x 5'-0"							1 4 14' 6"	2 × 0' 6"	3 x 8'-0"	1 1 0!!	2 111 0!	2 0! 0!!	1 x 18'-0"	2 x 12'-0"	
3.66 (12) 4.27 (14)	1 x 10'-0" 2 x	7'-0" 3 x 5'-6"	1 x 11'-0"	2 x 7'-6"													
3.66 (12)	1 x 10'-0" 2 x		1 x 11'-0"	2 x 7'-6"												2 x 12'-6"	3 x 3
3.66 (12) 4.27 (14)	1 x 10'-0" 2 x	7'-0" 3 x 5'-6" 7'-0" 3 x 5'-6"	1 x 11'-0"	2 x 7'-6"				3 x 7'-0"						3 x 9'-0"		2 x 12'-6"	3 x :
3.66 (12) 4.27 (14) 4.88 (16)	1 x 10'-0" 2 x	7'-0" 3 x 5'-6" 7'-0" 3 x 5'-6" As per t	1 x 11'-0" 1 x 11'-6"	2 x 7'-6"				3 x 7'-0" As per ta	1 x 14'-6"					3 x 9'-0" As per ta	1 x 18'-0"	2 x 12'-6"	3 x :
3.66 (12) 4.27 (14) 4.88 (16) /ertical ICF with 6" Tie Specing	1 x 10'-0" 2 x 1 x 10'-0" 2 x	7'-0" 3 x 5'-6" 7'-0" 3 x 5'-6" As per t	1 x 11'-0" 1 x 11'-6" able A.1.1. able A.1.2.	2 x 7'-6"				3 x 7'-0" As per ta	1 x 14'-6" ble A.1.1. ble A.1.2.					3 x 9'-0" As per ta	1 x 18'-0" ble A.1.1. ble A.1.2.	2 x 12'-6" (18)	<u>3x:</u>

 $S_{a,{\rm ICF}}$ is equivalent spectral response acceleration for ICF walls as provided in Appendix A. This table is to be used in conjunction with the "Design Limitations." 1.

2.

Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in 3. the rebar placement drawing.

All four sides of the building are to have a minimum number and length of shear walls that conforms to this table. 4.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

6. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

7. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.

8. Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.

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Table A.4.3200. Above Grade Shear Wall Length for Seismic Zone Classification, S_{a,ICF} ≤ 0.16 and Hourly Wind Pressure, 0.5kPa < $q1/50 \le 0.75$ kPa (in a Building Without Walkout Basement), where Building Area ≤ 3200ft²

Wall Height m (ft)							Se		Classificati	ion							
			≤ 0.07					S _{a,ICF}	≤ 0.11					S _{a,ICF}	≤ 0.16		
Floor Walls of Two Story ICF Stru									-								
	6" & 8" Th			& 12" Thick	Wall	6" 8	& 8" Thick	Wall	10" 8	& 12" Thick	Wall	6" 6	& 8" Thick	Wall	10" 8	& 12" Thick	k Wall
	Number and lengt	h of shear wa	lls provided														
2.44 (8)	1 x 8'-0" 2 x 4'	0" 3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-6"	3 x 3'-6"	1 x 8'-0"	2 x 4'-0"	3 x 3'
2.75 (9)	1 x 8'-0" 2 x 4'	0" 3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 5'-0"	3 x 4'-0"	1 x 8'-0"	2 x 5'-0"	3 x 3'
3.05 (10)	1 x 8'-0" 2 x 4'	0" 3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 2'-8"	1 x 8'-0"	2 x 4'-6"	3 x 3'-6"	1 x 8'-0"	2 x 4'-6"	3 x 3'-6"	1 x 9'-0"	2 x 6'-0"	3 x 4'-6"	1 x 9'-0"	2 x 6'-0"	3 x 4
oor Walls of One Story ICF Struct	are Supporting Wood	l Frame Roof	(TYPE B)														
	6" & 8" Th	ck Wall	10" 8	& 12" Thick	(Wall	6" 8	& 8" Thick	Wall	10" 8	& 12" Thick	Wall	6" 8	& 8" Thick	Wall	10" 8	& 12" Thick	k Wall
	Number and lengt	h of shear wa	lls provided														
2.44 (8)	1 x 8'-0" 2 x 4'	0" 3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3
2.75 (9)	1 x 8'-0" 2 x 4'	0" 3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3
3.05 (10)	1 x 8'-0" 2 x 4'	0" 3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 2'-8"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 5'-0"	3 x 3'-6"	1 x 8'-0"	2 x 5'-0"	3 x 3
3.66 (12)	1 x 8'-0" 2 x 4'	0" 3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"		2 x 4'-6"				3 x 3'-6"	1 x 9'-0"	2 x 6'-0"		1 x 9'-0"	2 x 6'-0"	3 x 4
4.27 (14)	1 x 8'-0" 2 x 4'	0" 3 x 3'-0"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 8'-0"	2 x 5'-0"	3 x 4'-0"	1 x 8'-0"	2 x 5'-6"	3 x 4'-0"	1 x 9'-4"	2 x 6'-0"	3 x 5'-0"	1 x 10'-0"	2 x 7'-0"	3 x 5
4.88 (16)	1 x 8'-0" 2 x 4'	0" 3 x 3'-0"	1 x 8'-0"	2 x 5'-0"	3 x 4'-0"	1 x 8'-0"	2 x 5'-0"	3 x 4'-0"	1 x 9'-0"		3 x 4'-6"	1 x 10'-0"	2 x 6'-6"	3 x 5'-0"	1 x 11'-0"	2 x 7'-6"	3 x 6
oor Walls of Two Story Structure	Supporting 2nd Stor	y Wood Fram	ed Walls, F	loor and R	oof (TYPE C	C)						•			•	<u>.</u>	
	6" & 8" Th	ck Wall	10" (& 12" Thick	Wall	6" 8	& 8" Thick '	Wall	10" 8	& 12" Thick	Wall	6" 6	& 8" Thick '	Wall	10" 8	& 12" Thick	k Wall
	Number and lengt		lls provided														
2.44 (8)	1 x 8'-0" 2 x 4'	6" 3 x 3'-6"	1 x 8'-0"	2 x 4'-0"	3 x 3'-0"	1 x 9'-0"	2 x 6'-0"	3 x 5'-0"	1 x 9'-0"	2 x 6'-6"	3 x 5'-0"	1 x 11'-6"	2 x 7'-6"	3 x 6'-0"	1 x 11'-6"	2 x 7'-0"	3 x 5
2.75 (9)	1 x 8'-0" 2 x 4'	6" 3 x 3'-6"	1 x 8'-0"	2 x 4'-6"	3 x 3'-6"		2 x 6'-6"		1 x 10'-0"	2 x 7'-0"	3 x 5'-0"	1 x 12'-0"	2 x 7'-6"	3 x 6'-0"	1 x 12'-0"	2 x 7'-6"	3 x 6
3.05 (10)	1 x 8'-0" 2 x 5'			2 x 5'-0"	3 x 4'-0"	1 x 10'-0"	2 x 7'-4"	3 x 6'-0"	1 x 10'-0"	2 x 7'-4"	3 x 6'-0"	1 x 12'-6"	2 x 8'-6"	3 x 6'-6"	1 x 12'-6"	2 x 8'-0"	3 x 6
3.66 (12)	1 x 8'-6" 2 x 5'	6" 3 x 4'-0"	1 x 8'-6"	2 x 5'-6"	3 x 4'-0"	1 x 10'-6"	2 x 8'-4"	3 x 6'-6"	1 x 10'-6"	2 x 8'-4"	3 x 6'-6"	1 x 13'-0"	2 x 9'-0"	3 x 7'-0"	1 x 13'-0"	2 x 9'-0"	3 x 7
4.27 (14)	1 x 8'-6" 2 x 5'	6" 3 x 4'-6"	1 x 8'-6"	2 x 6'-0"	3 x 4'-6"	1 x 11'-0"	2 x 8'-6"	3 x 7'-0"	1 x 11'-6"	2 x 9'-0"	3 x 7'-0"	1 x 13'-0"	2 x 9'-0"	3 x 7'-0"	1 x 14'-0"	2 x 10'-0"	3 x 7
4.88 (16)	1 x 8'-6" 2 x 5'	6" 3 x 4'-6"	1 x 9'-0"	2 x 6'-0"	3 x 5'-0"	1 x 11'-0"	2 x 9'-0"	3 x 7'-6"	1 x 12'-0"	2 x 9'-6"	3 x 7'-6"	1 x 13'-0"	2 x 9'-0"	3 x 7'-6"	1 x 14'-6"	2 x 10'-0"	3 x 1
oor Walls of Two Story ICF Struct	ure Supporting Woo	Frame Floor	s and Roof	(TYPE D)		$\overline{\nabla}$	\sim		\sim	V		N/		1	\sim		M
	6" & 8" Th			& 12" Thick	Wall	6" 8	& 8" Thick	Wall	10" 8	& 12" Thick	Wall	6" 6	& 8" Thick	Wall	10" 8	& 12" Thick	k Wall
	Number and lengt	h of shear wa	lls provided									•			•		
2.44 (8)	1 x 9'-0" 2 x 5'	6" 3 x 4'-6"	1 x 9'-0"	2 x 5'-6"	3 x 4'-6"	1 x 11'-0"	2 x 7'-0"	3 x 5'-6"	1 x 12'-0"	2 x 8'-0"	3 x 6'-0"	1 x 14'-0"	2 x 9'-0"	3 x 7'-0"	1 x 16'-0"	2 x 10'-0"	3 x 8
2.75 (9)	1 x 9'-0" 2 x 6'	0" 3 x 4'-6"	1 x 10'-0"	2 x 6'-0"	3 x 5'-0"	1 x 12'-0"	2 x 7'-6"	3 x 6'-0"	1 x 13'-0"	2 x 8'-0"	3 x 6'-0"	1 x 15'-0"	2 x 9'-6"	3 x 8'-0"	1 x 16'-0"	2 x 11'-0"	3 x 8
3.05 (10)		6" 3 x 5'-0"		2 x 6'-6"		1 x 13'-0"										2 x 11'-0"	
3.66 (12)	1 x 10'-0" 2 x 7'	0" 3 x 5'-0"	1 x 10'-6"	2 x 7'-0"	3 x 5'-6"	1 x 13'-0"	2 x 9'-0"	3 x 7'-0"	1 x 13'-6"	2 x 9'-0"	3 x 7'-0"	1 x 16'-0"	2 x 11'-0"	3 x 9'-0"	1 x 17'-0"	2 x 11'-0"	3 x 9
4.27 (14)	1 x 10'-0" 2 x 7'	0" 3 x 5'-6"	1 x 11'-0"	2 x 7'-6"	3 x 6'-0"	1 x 13'-0"	2 x 9'-0"	3 x 7'-0"	1 x 14'-6"	2 x 9'-6"	3 x 8'-0"	1 x 16'-0"	2 x 11'-0"	3 x 9'-0"	1 x 18'-0"	2 x 12'-0"	3 x 1/
4.88 (16)	1 x 10'-0" 2 x 7'	0" 3 x 5'-6"	1 x 11'-6"	2 x 7'-6"	3 x 6'-0"	1 x 13'-0"	2 x 9'-0"	3 x 7'-0"	1 x 14'-6"	2 x 10'-0"	3 x 8'-0"	1 x 16'-0"	2 x 11'-0"	3 x 9'-0"	1 x 18'-0"	2 x 12'-6"	3 x 1
tical ICF with 6" Tie Specing		As per t	able A.1.1.					As per ta	ble A.1.1.	-				As per ta	ble A.1.1.		-
cement ICF with 8" Tie Specing		As per t	able A.1.2.					As per ta	ble A.1.2.					As per ta	ble A.1.2.		
cement icr with a ne specing			450	(40)				10 M @	450	(18)				10 M @	450	(18)	
contal Block Height of 12" and	18"	10 M @	450	(18)				10 101 @	450	(10)				10 101 @	450	(10)	

1. Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A.

2. This table is to be used in conjunction with the "Design Limitations."

3. Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in the rebar placement drawing.

4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.

Use Table A.6 for buildings that do not meet the required wall length of this table. 5.

Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail. 6.

All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required. 7.

Concentrated reinforcement is to be placed in accordance with Bar Placement Detail. 8

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Table A.5.3200. Above Grade Shear Wall Length for Seismic Zone Classification, S_{a,ICF} ≤ 0.16 and Hourly Wind Pressure, 0.5kPa < $q1/50 \le 0.75$ kPa (in a Building Without Walkout Basement), where Building Area ≤ 3200ft²

Wall Height m (ft)				Classification		
	S _{a,ICI}	₂ ≤ 0.07	S _{a,ICF}	≤ 0.11	S _{a,ICF}	≤ 0.16
cond Floor Walls of Two Story ICF Str	cture Supporting Wood Frame Ro	of (TYPE A)				
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-6" 3 x 3'-6"	1 x 8'-0" 2 x 4'-0" 3 x 3'
2.75 (9)	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3'-6"	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"	1 x 8'-6" 2 x 5'-6" 3 x 4
3.05 (10)	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-6" 3 x 3'-6"	1 x 8'-0" 2 x 4'-6" 3 x 3'-6"	1 x 9'-0" 2 x 6'-0" 3 x 4'-6"	1 x 9'-0" 2 x 6'-0" 3 x 4
in Floor Walls of One Story ICF Struc	ure Supporting Wood Frame Roof	(TYPE B)				
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3
2.75 (9)	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-6" 3 x 3
3.05 (10)	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 5'-0" 3 x 3'-6"	1 x 8'-0" 2 x 5'-0" 3 x 3
3.66 (12)	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-6" 3 x 3'-6"	1 x 8'-0" 2 x 4'-6" 3 x 3'-6"	1 x 9'-0" 2 x 6'-0" 3 x 4'-6"	1 x 9'-0" 2 x 6'-0" 3 x 4
4.27 (14)	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"	1 x 8'-0" 2 x 5'-6" 3 x 4'-0"	1 x 9'-4" 2 x 6'-0" 3 x 5'-0"	1 x 10'-0" 2 x 7'-0" 3 x 5
4.88 (16)	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"	1 x 9'-0" 2 x 6'-0" 3 x 4'-6"	1 x 10'-0" 2 x 6'-6" 3 x 5'-0"	1 x 11'-0" 2 x 7'-6" 3 x 6
in Floor Walls of Two Story Structur	Supporting 2nd Story Wood Fram	ed Walls, Floor and Roof (TYPE C				
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 8'-0" 2 x 4'-6" 3 x 3'-6"		1 x 9'-0" 2 x 6'-0" 3 x 5'-0"	1 x 9'-0" 2 x 6'-6" 3 x 5'-0"		1 x 11'-6" 2 x 7'-0" 3 x 5
2.75 (9)	1 x 8'-0" 2 x 4'-6" 3 x 3'-6"	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"	1 x 9'-0" 2 x 6'-6" 3 x 5'-0"	1 x 10'-0" 2 x 7'-0" 3 x 5'-0"	1 x 12'-0" 2 x 7'-6" 3 x 6'-0"	1 x 12'-0" 2 x 8'-0" 3 x 6
3.05 (10)	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"	1 x 10'-0" 2 x 7'-4" 3 x 6'-0"	1 x 10'-0" 2 x 7'-4" 3 x 6'-0"	1 x 12'-6" 2 x 8'-6" 3 x 6'-6"	1 x 12'-6" 2 x 8'-0" 3 x 6
3.66 (12)	1 x 8'-6" 2 x 5'-6" 3 x 4'-0"	1 x 8'-6" 2 x 5'-6" 3 x 4'-0"	1 x 10'-6" 2 x 8'-4" 3 x 6'-6"	1 x 10'-6" 2 x 8'-4" 3 x 6'-6"	1 x 13'-0" 2 x 9'-0" 3 x 7'-0"	1 x 13'-0" 2 x 9'-0" 3 x 7
4.27 (14)	1 x 8'-6" 2 x 5'-6" 3 x 4'-6"	1 x 8'-6" 2 x 6'-0" 3 x 4'-6"	1 x 11'-0" 2 x 8'-6" 3 x 7'-0"	1 x 11'-6" 2 x 9'-0" 3 x 7'-0"	1 x 13'-0" 2 x 9'-0" 3 x 7'-0"	1 x 14'-0" 2 x 10'-0" 3 x 7
4.88 (16)		1 x 9'-0" 2 x 6'-0" 3 x 5'-0"	1 x 11'-0" 2 x 9'-0" 3 x 7'-6"	1 x 12'-0" 2 x 9'-6" 3 x 7'-6"	1 x 13'-0" 2 x 9'-0" 3 x 7'-6"	1 x 14'-6" 2 x 10'-0" 3 x
n Floor Walls of Two Story ICF Struc	ture Supporting Wood Frame Floor	s and Roof (TYPE D)	V V	$\overline{\mathbf{v}}$		
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa					
2.44 (8)					1 x 14'-0" 2 x 9'-0" 3 x 7'-0"	
2.75 (9)	1 x 9'-0" 2 x 6'-0" 3 x 4'-6"				1 x 15'-0" 2 x 9'-6" 3 x 8'-0"	
3.05 (10)	1 x 9'-6" 2 x 6'-6" 3 x 5'-0"			1 x 13'-0" 2 x 8'-6" 3 x 7'-0"		1 x 17'-0" 2 x 11'-0" 3 x 8
3.66 (12)	1 x 10'-0" 2 x 7'-0" 3 x 5'-0"		1 x 13'-0" 2 x 9'-0" 3 x 7'-0"	1 x 13'-6" 2 x 9'-0" 3 x 7'-0"		1 x 17'-0" 2 x 11'-0" 3 x 9
4.27 (14)	1 x 10'-0" 2 x 7'-0" 3 x 5'-6"			1 x 14'-6" 2 x 9'-6" 3 x 8'-0"	1 x 16'-0" 2 x 11'-0" 3 x 9'-0"	
4.88 (16)		1 x 11'-6" 2 x 7'-6" 3 x 6'-0"		1 x 14'-6" 2 x 10'-0" 3 x 8'-0"		
Vertical ICF with 6" Tie Specing		able A.1.1.		ble A.1.1.		ble A.1.1.
einforcement ICF with 8" Tie Specing		able A.1.2.		ble A.1.2.		ble A.1.2.
Horizontal Block Height of 12" and	18" 10 M @	450 (18)	10 M @	450 (18)	10 M @	450 (18)
einforcement Block Height of 12" and	10 M @	0 400 (16)	10 M @	400 (16)	10 M @	400 (16)

Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A. 1.

This table is to be used in conjunction with the "Design Limitations." 2.

Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in З. the rebar placement drawing.

4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

6. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required. 7.

Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.

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Table A.6.3200. Above Grade Shear Wall Length for Seismic Zone Classification, Sa.ICF > 0.16 and Hourly Wind Pressure, q1/50 ≤ 1.05kPa (in a Building Without Walkout Basement), where Building Area ≤ 3200ft²

	Wall HC49:AB87						Se	ismic Zone	Classification						
		S	ucr ≤ 0.16			S _{AICI}	≤ 0.31			Salcr	≤ 0.53		S	a,cr ≤ 0.79	
Second Floor	Walls of Two Story ICF Structu	re Supporting Wood Frame	Roof (TYPE A)												
		6" & 8" Thick Wall	10" & :	12" Thick Wall	6" & 8" Th	ck Wall	10" & 12" Thick	Wall	6" & 8" Thick 1	Wall	10" & 12" Thick	Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	
		Number and length of shear	walls provided								•				
	2.44 (8)	1 x 8'-0" 2 x 4'-0" 3 x 3'	0" 1 x 8'-0"	2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 5'	0" 3 x 4'-0"	1 x 8'-0" 2 x 5'-0"	3 x 4'-0"	1 x 10'-0" 2 x 7'-0"	3 x 6'-0"	1 x 10'-0" 2 x 7'-0"	3 x 6'-0"	1 x 11'-0" 2 x 8'-0" 3 x 6	-0" 1 x 12'-0" 2 x 8'-0" 3 x 7'-0	
	2.75 (9)	1 x 8'-0" 2 x 4'-0" 3 x 3'	0" 1 x 8'-0"	2 x 4'-0" 3 x 3'-0"	1 x 9'-0" 2 x 6'	0" 3 x 4'-6"	1 x 9'-0" 2 x 6'-0"	3 x 4'-6"	1 x 11'-0" 2 x 8'-0"	3 x 6'-6"	1 x 11'-6" 2 x 8'-0"	3 x 6'-6"	1 x 13'-0" 2 x 9'-0" 3 x 7	-0" 1 x 13'-0" 2 x 9'-0" 3 x 7'-0	
	3.05 (10)	1 x 8'-0" 2 x 5'-0" 3 x 3'	6" 1 x 8'-0"	2 x 5'-0" 3 x 4'-0"	1 x 10'-0" 2 x 6'	6" 3 x 5'-0"	1 x 10'-0" 2 x 6'-6"	3 x 5'-0"	1 x 12'-6" 2 x 8'-6"	3 x 7'-0"	1 x 12'-6" 2 x 8'-6"	3 x 7'-0"	1 x 14'-0" 2 x 10'-0" 3 x 8	-0" 1 x 14'-0" 2 x 10'-0" 3 x 8'-0"	
Main Floor V	Valls of One Story ICF Structure	Supporting Wood Frame Ro	of (TYPE B)												
		6" & 8" Thick Wall	10" & :	12" Thick Wall	6" & 8" Th	ck Wall	10" & 12" Thic	Wall	6" & 8" Thick 1	Wall	10" & 12" Thick	Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	
1		Number and length of shear	walls provided												
	2.44 (8)	1 x 8'-0" 2 x 4'-0" 3 x 3'	-0" 1 x 8'-0"	2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 5'	0" 3 x 4'-0"	1 x 8'-0" 2 x 5'-0"	3 x 4'-0"	1 x 9'-0" 2 x 6'-0"	3 x 4'-6"	1 x 9'-0" 2 x 6'-0"	3 x 5'-0"	1 x 10'-0" 2 x 7'-0" 3 x 5	-6" 1 x 10'-0" 2 x 7'-0" 3 x 5'-6"	
	2.75 (9)	1 x 8'-0" 2 x 4'-0" 3 x 3'	0" 1 x 8'-0"	2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 5'	0" 3 x 4'-6"	1 x 8'-0" 2 x 5'-0"	3 x 4'-6"	1 x 10'-0" 2 x 7'-0"	3 x 5'-0"	1 x 10'-0" 2 x 7'-0"	3 x 5'-6"	1 x 11'-0" 2 x 8'-0" 3 x 6	-0" 1 x 11'-0" 2 x 8'-0" 3 x 6'-0	
	3.05 (10)	1 x 8'-0" 2 x 4'-0" 3 x 3	-0" 1 x 8'-0"	2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 6'	0" 3 x 5'-0"	1 x 9'-0" 2 x 6'-0"	3 x 5'-0"	1 x 11'-0" 2 x 7'-0"	3 x 6'-0"	1 x 11'-0" 2 x 8'-0"	3 x 6'-0"	1 x 12'-0" 2 x 8'-0" 3 x 7	-0" 1 x 12'-0" 2 x 9'-0" 3 x 7'-0	
	3.66 (12)	1 x 8'-0" 2 x 4'-6" 3 x 4'	-0" 1 x 8'-0"	2 x 5'-0" 3 x 4'-0"	1 x 9'-0" 2 x 6'	6" 3 x 6'-0"	1 x 11'-0" 2 x 7'-6"	3 x 6'-0"	1 x 13'-0" 2 x 8'-6"	3 x 7'-0"	1 x 13'-0" 2 x 9'-0"	3 x 7'-0"	1 x 14'-0" 2 x 10'-0" 3 x 8	-0" 1 x 15'-0" 2 x 10'-0" 3 x 8'-0	
	4.27 (14)	1 x 8'-0" 2 x 5'-0" 3 x 4'	-0" 1 x 8'-0"	2 x 5'-6" 3 x 4'-0"	1 x 11'-0" 2 x 7'	0"	1 x 11'-0" 2 x 7'-6"	3 x 7'-0"	1 x 14'-0" 2 x 10'-0"	3 x 8'-0"	1 x 15'-0" 2 x 10'-0"	3 x 8'-0"	1 x 16'-0" 2 x 11'-0" 3 x 9	-0" 1 x 17'-0" 2 x 11'-0" 3 x 9'-0	
	4.88 (16)	1 x 8'-0" 2 x 5'-6" 3 x 4'	0" 1 x 9'-0"	2 x 6'-0" 3 x 5'-0"	1 x 11'-0" 2 x 8'	0"	1 x 12'-0" 2 x 8'-6"	3 x 8'-0"	1 x 15'-0" 2 x 11'-0"	3 x 8'-0"	1 x 17'-0" 2 x 11'-6"	3 x 9'-0"	1 x 18'-0" 2 x 13'-0" 3 x 10	"-0" 1 x 18'-0" 2 x 14'-0" 3 x 11'-0	
Main Floor V	Valls of Two Story Structure Su	pporting 2nd Story Wood Fr	amed Walls, Flor	or and Roof (TYPE C	.)										
		6" & 8" Thick Wall	10" & :	12" Thick Wall	6" & 8" Th	ck Wall	10" & 12" Thick	Wall	6" & 8" Thick 1	Wall	10" & 12" Thick	Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	
		Number and length of shear													
	2.44 (8)	1 x 9'-0" 2 x 6'-0" 3 x 5	-0" 1 x 9'-0"	2 x 6'-0" 3 x 5'-0"	1 x 13'-0" 2 x 9'	0" 3 x 6'-6"	1 x 13'-0" 2 x 9'-0"	3 x 6'-6"	1 x 17'-0" 2 x 11'-0"	3 x 9'-0"	1 x 17'-0" 2 x 11'-0"	3 x 9'-0"	1 x 17'-0" 2 x 12'-0" 3 x 9	-6" 1 x 17'-0" 2 x 12'-0" 3 x 10'-0	
	2.75 (9)	1 x 9'-0" 2 x 6'-0" 3 x 5'	-0" 1 x 9'-0"	2 x 6'-0" 3 x 5'-0"	1 x 14'-0" 2 x 10	-0" 3 x 7'-0"	1 x 14'-0" 2 x 10'-0"	3 x 7'-0"	1 x 17'-0" 2 x 11'-0"	3 x 9'-0"	1 x 17'-0" 2 x 11'-0"	3 x 9'-0"	1 x 18'-0" 2 x 13'-0" 3 x 10	"-0" 1 x 18'-0" 2 x 13'-0" 3 x 10'-0	
	3.05 (10)	1 x 10'-0" 2 x 6'-6" 3 x 5'	0" 1 x 10'-0"	2 x 6'-6" 3 x 5'-0"	1 x 15'-0" 2 x 10	-0" 3 x 8'-0"	1 x 15'-0" 2 x 10'-0"	3 x 8'-0"	1 x 17'-0" 2 x 12'-0"	3 x 10'-0'	1 x 17'-0" 2 x 12'-0"	3 x 10'-0'	1 x 19'-0" 2 x 13'-0" 3 x 11	'-0" 1 x 19'-0" 2 x 13'-0" 3 x 11'-0	
	3.66 (12)	1 x 10'-0" 2 x 7'-0" 3 x 6	0" 1 x 11'-0"	2 x 7'-6" 3 x 6'-0"	1 x 15'-0" 2 x 10	-0" 3 x 9'-0"	1 x 16'-0" 2 x 11'-0"	3 x 9'-0"	1 x 19'-0" 2 x 13'-0"	3 x 11'-0'	1 x 19'-0" 2 x 13'-0"	3 x 11'-0'	1 x 21'-0" 2 x 14'-0" 3 x 12	"-0" 1 x 21'-0" 2 x 14'-0" 3 x 12'-0	
	4.27 (14)	1 x 11'-0" 2 x 7'-6" 3 x 6	0" 1 x 11'-0"	2 x 7'-6" 3 x 6'-0"	1 x 16'-0" 2 x 11	-0" 3 x 10'-0	1 x 16'-0" 2 x 11'-0"	3 x 10'-0'	1 x 20'-0" 2 x 14'-0"	3 x 11'-0'	1 x 20'-0" 2 x 14'-0"	3 x 12'-0'	1 x 22'-0" 2 x 16'-0" 3 x 13	'-0" 1 x 22'-0" 2 x 16'-0" 3 x 13'-0	
	4.88 (16)				1 x 16'-0" 2 x 12	-0" 3 x 10'-0	1 x 16'-0" 2 x 12'-0"	3 x 10'-0'	1 x 21'-0" 2 x 14'-0"	3 x 11'-0'	1 x 22'-0" 2 x 15'-0"	3 x 13'-0'	1 x 24'-0" 2 x 17'-0" 3 x 13	'-6" 1 x 24'-0" 2 x 17'-0" 3 x 13'-6	
Main Floor V	Valls of Two Story ICF Structure														
		6" & 8" Thick Wall		12" Thick Wall	6" & 8" Th	ck Wall	10" & 12" Thick	Wall	6" & 8" Thick 1	Wall	10" & 12" Thick	Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	
		Number and length of shear	walls provided												
	2.44 (8)	1 x 11'-0" 2 x 7'-6" 3 x 5'	-6" 1 x 12'-0"	2 x 7'-6" 3 x 6'-0"	1 x 16'-0" 2 x 11	-0" 3 x 8'-6"	1 x 17'-0" 2 x 11'-0"	3 x 9'-0"	1 x 19'-0" 2 x 13'-6"	3 x 11'-0'	1 x 20'-0" 2 x 14'-0"	3 x 11'-0'	1 x 21'-0" 2 x 15'-0" 3 x 12	"-0" 1 x 22'-0" 2 x 16'-0" 3 x 13'-0	
	2.75 (9)	1 x 12'-0" 2 x 8'-0" 3 x 6'	0" 1 x 12'-0"	2 x 8'-0" 3 x 6'-6"	1 x 17'-0" 2 x 12	-0" 3 x 9'-0"	1 x 17'-0" 2 x 12'-0"	3 x 9'-0"	1 x 20'-0" 2 x 14'-0"	3 x 12'-0'	1 x 21'-0" 2 x 14'-6"	3 x 12'-0'	1 x 22'-0" 2 x 16'-0" 3 x 12	"-6" 1 x 23'-0" 2 x 17'-0" 3 x 13'-0	
	3.05 (10)	1 x 12'-0" 2 x 8'-0" 3 x 6'	6" 1 x 13'-0"	2 x 8'-6" 3 x 6'-6"	1 x 18'-0" 2 x 12	-0" 3 x 9'-0"	1 x 18'-0" 2 x 12'-0"	3 x 10'-0'	1 x 21'-0" 2 x 15'-0"	3 x 12'-0'	1 x 22'-0" 2 x 15'-0"	3 x 12'-0'	1 x 23'-0" 2 x 17'-0" 3 x 13	'-0" 1 x 24'-0" 2 x 18'-0" 3 x 14'-0	
	3.66 (12)	1 x 12'-0" 2 x 8'-6" 3 x 7'	0" 1 x 14'-0" 2	2 x 10'-0" 3 x 7'-6"	1 x 19'-0" 2 x 12	-0" 3 x 10'-0	1 x 20'-0" 2 x 13'-6"	3 x 11'-0'	1 x 23'-0" 2 x 16'-0"	3 x 13'-0'	1 x 23'-0" 2 x 16'-0"	3 x 13'-0'	1 x 25'-0" 2 x 19'-0" 3 x 14	'-0" 1 x 26'-0" 2 x 19'-0" 3 x 15'-0	
	4.27 (14)	1 x 13'-0" 2 x 9'-0" 3 x 7'		2 x 10'-0" 3 x 7'-6"		-0" 3 x 11'-0	1 x 20'-0" 2 x 13'-6"	3 x 11'-0'	1 x 24'-0" 2 x 17'-0"	3 x 14'-0'	1 x 25'-0" 2 x 17'-0"	3 x 14'-0'	1 x 27'-0" 2 x 20'-0" 3 x 15	'-0" 1 x 28'-0" 2 x 21'-0" 3 x 16'-0	
	4.88 (16)	1 x 13'-0" 2 x 9'-0" 3 x 7'		2 x 10'-0" 3 x 8'-0"	1 x 19'-0" 2 x 13			3 x 11'-0'	1 x 24'-0" 2 x 17'-0"			3 x 15'-0'		i'-0" 1 x 29'-0" 2 x 22'-0" 3 x 17'-0	
Vertical	ICF with 6" Tie Specing	As p	r table A.2.1.			As per t	able A.2.1.			As per t	able A.2.1.		As p	er table A.2.1.	
Reinforceme	ent ICF with 8" Tie Specing	As pi	r table A.2.2.			As per t	able A.2.2.			As per ta	able A.2.2.		As p	er table A.2.2.	
Horizonta			r table A.2.1.				able A.2.1.		As per table A.2.1.				As per table A.2.1.		
Reinforceme	ent Block Height of 16"	As p	r table A.2.2.			As per t	able A.2.2.			As per ta	able A.2.2.		As p	er table A.2.2.	

NOTES:

Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A. 1.

This table is to be used in conjunction with the "Design Limitations." 2.

Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in 3. the rebar placement drawing.

All four sides of the building are to have a minimum number and length of shear walls that conforms to this table. 4.

Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail. 5. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.

6. 7. Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.

8. Horizontal reinforcement in shear walls where Salor > 0.16 must be anchored using a standard 180° hook around vertical end bars.

9. When using this table for $S_{a,ICF} \leq 0.16$, use the vertical and horizontal distributed steel in Tables A.2.1. or A.2.2.

INSULATING CONCRETE FC MANUFACTURERS ASSOCIAT





Table A.7.3200. Above Grade Shear Wall Length for Seismic Zone Classification, $S_{a,ICF} \le 0.16$ and Hourly Wind Pressure, $q1/50 \le 0.5$ kPa (<u>in a Building With Walk Basement</u>), where Building Area ≤ 3200 ft²

Wall Height m (ft)				Classification		
	S _{a,ICF}	₂ ≤ 0.07	S _{a,ICF}	≤ 0.11	S _{a,ICF}	≤ 0.16
Floor Walls of Two Story ICF Stru	cture Supporting Wood Frame Ro	of (TYPE E)				
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"			1 x 8'-0" 2 x 4'-0" 3 x 3'-0"		1 x 8'-0" 2 x 5'-0" 3 x 4
2.75 (9)	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-4" 3 x 3'-4"	1 x 8'-6" 2 x 5'-4" 3 x 4'-4"	1 x 9'-4" 2 x 5'-6" 3 x 4
3.05 (10)	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-8" 3 x 3'-6"	1 x 8'-0" 2 x 5'-0" 3 x 3'-6"	1 x 9'-6" 2 x 6'-0" 3 x 5'-0"	1 x 10'-6" 2 x 6'-4" 3 x 5
oor Walls of One Story ICF Struct	ure Supporting Wood Frame Roof	(TYPE F)				
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-6" 3 x 3
2.75 (9)	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-6" 3 x 3'-6"	1 x 8'-6" 2 x 5'-0" 3 x 3
3.05 (10)	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-6" 3 x 3'-6"	1 x 8'-0" 2 x 4'-6" 3 x 3'-6"	1 x 8'-6" 2 x 5'-6" 3 x 4'-4"	1 x 9'-6" 2 x 5'-8" 3 x 4
3.66 (12)	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-6" 2 x 5'-6" 3 x 4'-4"	1 x 8'-6" 2 x 5'-6" 3 x 4'-4"	1 x 10'-6" 2 x 7'-0" 3 x 5'-6"	1 x 11'-0" 2 x 7'-0" 3 x 5
4.27 (14)	1 x 8'-0" 2 x 4'-6" 3 x 4'-0"	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"	1 x 10'-0" 2 x 6'-0" 3 x 4'-8"	1 x 10'-6" 2 x 7'-0" 3 x 5'-4"	1 x 11'-6" 2 x 7'-6" 3 x 6'-0"	1 x 12'-6" 2 x 8'-4" 3 x
4.88 (16)	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"	1 x 9'-0" 2 x 5'-6" 3 x 4'-6"	1 x 10'-0" 2 x 6'-6" 3 x 5'-0"	1 x 11'-0" 2 x 7'-6" 3 x 5'-8"	1 x 12'-0" 2 x 8'-0" 3 x 6'-6"	1 x 14'-0" 2 x 9'-4" 3 x
oor Walls of Two Story Structure	Supporting 2nd Story Wood Fram	ed Walls, Floor and Roof (TYPE	G)			
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"	1 x 10'-0" 2 x 6'-0" 3 x 5'-0"	1 x 10'-0" 2 x 6'-6" 3 x 5'-0"	1 x 12'-6" 2 x 8'-0" 3 x 6'-0"	1 x 13'-0" 2 x 8'-0" 3 x 6
2.75 (9)	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"	1 x 10'-6" 2 x 6'-6" 3 x 5'-0"	1 x 11'-0" 2 x 7'-0" 3 x 5'-0"	1 x 13'-6" 2 x 8'-6" 3 x 6'-6"	1 x 13'-8" 2 x 9'-0" 3 x
3.05 (10)	1 x 8'-6" 2 x 5'-6" 3 x 4'-4"	1 x 8'-6" 2 x 5'-6" 3 x 4'-4"	1 x 11'-6" 2 x 7'-4" 3 x 6'-0"	1 x 11'-6" 2 x 7'-4" 3 x 6'-0"	1 x 14'-0" 2 x 9'-4" 3 x 7'-4"	1 x 14'-6" 2 x 9'-4" 3 x
3.66 (12)	1 x 9'-4" 2 x 6'-4" 3 x 5'-0"	1 x 9'-4" 2 x 6'-4" 3 x 5'-0"	1 x 12'-4" 2 x 8'-4" 3 x 6'-6"	1 x 12'-4" 2 x 8'-4" 3 x 6'-6"	1 x 15'-0" 2 x 10'-4" 3 x 8'-0"	1 x 15'-0" 2 x 10'-4" 3 x 8
4.27 (14)		1 x 10'-4" 2 x 7'-0" 3 x 5'-4"				
4.88 (16)	1 x 10'-0" 2 x 7'-0" 3 x 5'-6"	1 x 11'-0" 2 x 7'-4" 3 x 5'-8"	1 x 13'-0" 2 x 9'-0" 3 x 7'-6"	1 x 14'-0" 2 x 9'-6" 3 x 7'-6"	1 x 15'-6" 2 x 10'-6" 3 x 8'-6"	1 x 17'-0" 2 x 11'-6" 3 x
oor Walls of Two Story ICF Struct	ure Supporting Wood Frame Floor	rs and Roof (TYPE H)	\vee \vee \vee	\sim \sim	<u> </u>	\sim V
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 9'-4" 2 x 6'-0" 3 x 4'-6"	1 x 10'-0" 2 x 6'-4" 3 x 5'-0"	1 x 12'-6" 2 x 8'-0" 3 x 6'-0"	1 x 13'-4" 2 x 8'-6" 3 x 6'-6"	1 x 16'-0" 2 x 10'-0" 3 x 8'-0"	1 x 16'-6" 2 x 11'-0" 3 x
2.75 (9)	1 x 9'-8" 2 x 6'-6" 3 x 4'-8"	1 x 11'-0" 2 x 6'-6" 3 x 5'-0"	1 x 13'-0" 2 x 8'-4" 3 x 6'-6"	1 x 14'-0" 2 x 9'-0" 3 x 7'-0"	1 x 16'-6" 2 x 11'-0" 3 x 8'-6"	1 x 17'-6" 2 x 11'-6" 3 x 1
3.05 (10)	1 x 10'-4" 2 x 6'-6" 3 x 5'-0"	1 x 11'-0" 2 x 7'-0" 3 x 5'-6"	1 x 13'-8" 2 x 9'-0" 3 x 7'-0"	1 x 15'-0" 2 x 9'-6" 3 x 7'-6"	1 x 17'-6" 2 x 11'-6" 3 x 9'-0"	1 x 18'-6" 2 x 12'-0" 3 x 9
3.66 (12)	1 x 11'-6" 2 x 7'-6" 3 x 6'-0"	1 x 11'-6" 2 x 7'-6" 3 x 6'-0"	1 x 14'-6" 2 x 10'-0" 3 x 7'-8"	1 x 15'-0" 2 x 10'-0" 3 x 7'-8"	1 x 18'-0" 2 x 12'-4" 3 x 9'-8"	1 x 19'-0" 2 x 12'-4" 3 x 9
4.27 (14)		1 x 12'-6" 2 x 8'-6" 3 x 7'-0"				
4.88 (16)	1 x 11'-6" 2 x 8'-0" 3 x 6'-6"	1 x 13'-0" 2 x 9'-0" 3 x 7'-0"	1 x 15'-0" 2 x 10'-0" 3 x 8'-0"	1 x 17'-6" 2 x 12'-0" 3 x 9'-0"	1 x 18'-4" 2 x 12'-6" 3 x 10'-0"	1 x 21'-0" 2 x 14'-4" 3 x 1
rtical ICF with 6" Tie Specing	As per t	able A.1.1.	As per ta	ble A.1.1.	As per ta	ble A.1.1.
rcement ICF with 8" Tie Specing	As per t	able A.1.2.	As per ta	able A.1.2.	As per ta	ble A.1.2.
	18" 10 M @	450 (18)	10 M @	450 (18)	10 M @	450 (18)
zontal Block Height of 12" and rcement Block Height of 16"						

1. $S_{a,ICF}$ is equivalent spectral response acceleration for ICF walls as provided in Appendix A.

2. This table is to be used in conjunction with the "Design Limitations."

3. Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in the rebar placement drawing.

4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

6. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.

8. Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.

INSULATING CONCRETE FORMS MANUFACTURERS ASSOCIATION





Table A.8.3200. Above Grade Shear Wall Length for Seismic Zone Classification, S_{a,ICF} ≤ 0.16 and Hourly Wind Pressure, 0.5kPa < q1/50 ≤ 0.75kPa (in a Building With Walkout Basement), where Building Area ≤ 3200ft²

Wall Height m (ft)				Se		Classification	1				
		S _{a,ICF} ≤ 0.07			S _{a,ICF}	≤ 0.11			S _{a,ICF} ≤ I	0.16	
ond Floor Walls of Two Story ICF Struct								-			
	6" & 8" Thick Wall		(Wall	6" & 8" Thick \	Wall	10" & 1	2" Thick Wall	6" & 8" Thick W	all	10" & 12" Thick	k Wall
	Number and length of shea		· · · · · ·			-					
2.44 (8)		x 2'-8" 1 x 8'-0" 2 x 4'-0"						1 x 8'-0" 2 x 5'-0"		1 x 8'-0" 2 x 5'-0"	
2.75 (9)	1 x 8'-0" 2 x 4'-0" 3 x							1 x 8'-6" 2 x 5'-4"			
3.05 (10)		x 3'-0" 1 x 8'-0" 2 x 4'-0"	3 x 2'-8"	1 x 8'-0" 2 x 5'-0"	3 x 4'-0"	1 x 8'-0" 2	2 x 5'-0" 3 x 3'-6"	1 x 10'-0" 2 x 6'-6"	3 x 5'-0" 1	L x 10'-6" 2 x 6'-4"	3 x 5
n Floor Walls of One Story ICF Structur	e Supporting Wood Frame	Roof (TYPE F)									
	6" & 8" Thick Wall	10" & 12" Thick	(Wall	6" & 8" Thick \	Wall	10" & 1	2" Thick Wall	6" & 8" Thick W	all	10" & 12" Thick	k Wall
	Number and length of shea	ar walls provided									
2.44 (8)	1 x 8'-0" 2 x 4'-0" 3 x	x 2'-8" 1 x 8'-0" 2 x 4'-0"	3 x 2'-8"	1 x 8'-0" 2 x 4'-0"	3 x 3'-0"	1 x 8'-0" 2	2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-6"	3 x 3'-4"	1 x 8'-0" 2 x 4'-6"	3 x 3
2.75 (9)	1 x 8'-0" 2 x 4'-0" 3 x	x 2'-8" 1 x 8'-0" 2 x 4'-0"	3 x 2'-8"	1 x 8'-0" 2 x 4'-0"	3 x 3'-0"	1 x 8'-0" 2	2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-6"	3 x 3'-6"	1 x 8'-6" 2 x 5'-0"	3 x 3
3.05 (10)	1 x 8'-0" 2 x 4'-0" 3 x	x 2'-8" 1 x 8'-0" 2 x 4'-0"	3 x 2'-8"	1 x 8'-0" 2 x 4'-6"	3 x 3'-6"	1 x 8'-0" 2	2 x 4'-6" 3 x 3'-6"	1 x 9'-0" 2 x 6'-0"	3 x 4'-6"	1 x 9'-6" 2 x 5'-8"	3 x 4
3.66 (12)	1 x 8'-0" 2 x 4'-0" 3 x	x 3'-0" 1 x 8'-0" 2 x 4'-4"	3 x 3'-4"	1 x 8'-6" 2 x 5'-6"	3 x 4'-4"	1 x 8'-8" 2	2 x 5'-8" 3 x 4'-4"	1 x 10'-6" 2 x 7'-0"	3 x 5'-6" 1	L x 11'-0" 2 x 7'-0"	3 x 5
4.27 (14)	1 x 8'-0" 2 x 4'-6" 3 x	(4'-0" 1 x 8'-0" 2 x 5'-0"	3 x 4'-0"	1 x 10'-0" 2 x 6'-0"	3 x 4'-8"	1 x 10'-6" 2	2 x 7'-0" 3 x 5'-4"	1 x 11'-6" 2 x 7'-6"	3 x 6'-0" 1	L x 12'-6" 2 x 8'-4"	3 x 6
4.88 (16)	1 x 8'-0" 2 x 5'-0" 3 x	(4'-0" 1 x 9'-0" 2 x 5'-6"	3 x 4'-6"	1 x 10'-0" 2 x 6'-6"	3 x 5'-0"	1 x 11'-0" 2	2 x 7'-6" 3 x 5'-8"	1 x 12'-0" 2 x 8'-0"	3 x 6'-6" 1	L x 14'-0" 2 x 9'-4"	3 x 1
n Floor Walls of Two Story Structure S	upporting 2nd Story Wood	Framed Walls, Floor and Re	oof (TYPE G))							
	6" & 8" Thick Wall	10" & 12" Thick	Wall	6" & 8" Thick \	Wall	10" & 1	2" Thick Wall	6" & 8" Thick W	all	10" & 12" Thick	k Wall
	Number and length of shea	ar walls provided									
2.44 (8)	1 x 8'-0" 2 x 5'-0" 3 x	4'-0" 1 x 8'-0" 2 x 5'-0"	3 x 4'-0"	1 x 10'-4" 2 x 6'-8"	3 x 5'-4"	1 x 10'-0" 2	2 x 6'-6" 3 x 5'-0"	1 x 13'-0" 2 x 8'-6"	3 x 6'-6" 1	L x 13'-0" 2 x 8'-0"	3 x 6
2.75 (9)	1 x 8'-0" 2 x 5'-0" 3 x	x 4'-0" 1 x 8'-0" 2 x 5'-0"	3 x 4'-0"	1 x 10'-6" 2 x 6'-8"	3 x 5'-0"	1 x 11'-0" 2	2 x 7'-0" 3 x 5'-0"	1 x 13'-6" 2 x 8'-6"	3 x 6'-6" 1	L x 13'-8" 2 x 9'-0"	3 x 7
3.05 (10)	1 x 8'-8" 2 x 5'-8" 3 x	x 4'-4" 1 x 8'-6" 2 x 5'-6"	3 x 4'-4"	1 x 11'-6" 2 x 7'-6"	3 x 6'-0"	1 x 11'-6" 2	2 x 7'-4" 3 x 6'-0"	1 x 14'-4" 2 x 9'-6"	3 x 7'-4" 1	L x 14'-6" 2 x 9'-4"	3 x 1
3.66 (12)	1 x 9'-4" 2 x 6'-4" 3 x	x 5'-0" 1 x 9'-4" 2 x 6'-4"	3 x 5'-0"	1 x 12'-4" 2 x 8'-4"	3 x 6'-6"	1 x 12'-4" 2	2 x 8'-4" 3 x 6'-6"	1 x 15'-0" 2 x 10'-4"	3 x 8'-0" 1	L x 15'-0" 2 x 10'-4"	3 x 8
4.27 (14)	1 x 9'-8" 2 x 6'-6" 3 x	x 5'-4" 1 x 10'-4" 2 x 7'-0"	3 x 5'-4"	1 x 12'-8" 2 x 8'-6"	3 x 7'-0"	1 x 13'-6" 2	2 x 9'-0" 3 x 7'-0"	1 x 15'-6" 2 x 10'-6"	3 x 8'-6" 1	L x 16'-4" 2 x 11'-4"	3 x 9
4.88 (16)		x 5'-6" 1 x 11'-0" 2 x 7'-4"									
Floor Walls of Two Story ICF Structure						\sim				\sim	N/
	6" & 8" Thick Wall		Wall	6" & 8" Thick \	Wall	10" & 1	2" Thick Wall	6" & 8" Thick W	all	10" & 12" Thick	k Wall
	Number and length of shea	ar walls provided									
2.44 (8)	1 x 9'-4" 2 x 6'-0" 3 x	x 4'-8" 1 x 10'-0" 2 x 6'-4"	3 x 5'-0"	1 x 12'-6" 2 x 8'-0"	3 x 6'-4"	1 x 13'-4" 2	2 x 8'-6" 3 x 6'-6"	1 x 16'-0" 2 x 10'-0"	3 x 8'-0" 1	x 16'-6" 2 x 11'-0"	3x1
2.75 (9)		x 4'-8" 1 x 11'-0" 2 x 6'-6"						1 x 16'-6" 2 x 11'-0"			
3.05 (10)	1 x 11'-0" 2 x 7'-0" 3 x			1 x 14'-0" 2 x 9'-6"	3 x 7'-4"			1 x 17'-6" 2 x 11'-6"			
3.66 (12)		x 6'-0" 1 x 11'-6" 2 x 7'-8"									
4.27 (14)		x 6'-6" 1 x 12'-6" 2 x 8'-6"									
4.88 (16)		x 6'-6" 1 x 13'-0" 2 x 9'-0"									
Vertical ICF with 6" Tie Specing		s per table A.1.1.				ble A.1.1.		· · · · · ·	As per tabl		
nforcement ICF with 8" Tie Specing		s per table A.1.2.				ble A.1.2.			As per tabl		
		.0 M @ 450 (18)			10 M @		8)		10 M @	450 (18)	
Horizontal Block Height of 12" and 18											

 $S_{a,\text{ICF}}$ is equivalent spectral response acceleration for ICF walls as provided in Appendix A. This table is to be used in conjunction with the "Design Limitations." 1.

2

Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in 3. the rebar placement drawing.

All four sides of the building are to have a minimum number and length of shear walls that conforms to this table. 4.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

6. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

7. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.

Concentrated reinforcement is to be placed in accordance with Bar Placement Detail. 8

INSULATING CONCRETE F MANUFACTURERS ASSOCIA





Table A.9.3200. Above Grade Shear Wall Length for Seismic Zone Classification, Sa,ICF ≤ 0.16 and Hourly Wind Pressure, 0.75kPa < $q1/50 \le 1.05$ kPa (in a Building With Walkout Basement), where Building Area ≤ 3200ft²

Wall Height m (ft)				Classification		
	S _{a,ICF}	≤ 0.07	S _{a,ICF}	≤ 0.11	S _{a,ICF}	≤ 0.16
cond Floor Walls of Two Story ICF Str	cture Supporting Wood Frame Ro	of (TYPE E)				
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"	1 x 8'-0" 2 x 5'-0" 3 x 4'
2.75 (9)	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-4" 3 x 3'-4"	1 x 8'-0" 2 x 4'-8" 3 x 3'-6"	1 x 8'-6" 2 x 5'-4" 3 x 4'-4"	1 x 9'-4" 2 x 6'-0" 3 x 4'
3.05 (10)	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"	1 x 8'-0" 2 x 5'-0" 3 x 3'-8"	1 x 10'-0" 2 x 6'-6" 3 x 5'-0"	1 x 10'-6" 2 x 6'-4" 3 x 5
in Floor Walls of One Story ICF Struc	ure Supporting Wood Frame Roof					
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-6" 3 x 3'-4"	1 x 8'-0" 2 x 4'-6" 3 x 3
2.75 (9)	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-4" 3 x 3'-4"	1 x 8'-0" 2 x 4'-8" 3 x 3'-8"	1 x 8'-6" 2 x 5'-4" 3 x 4
3.05 (10)	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-0" 3 x 2'-8"	1 x 8'-0" 2 x 4'-6" 3 x 3'-6"	1 x 8'-0" 2 x 4'-6" 3 x 3'-6"	1 x 9'-0" 2 x 6'-0" 3 x 4'-6"	1 x 9'-6" 2 x 5'-8" 3 x 4
3.66 (12)	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-4" 3 x 3'-4"	1 x 8'-6" 2 x 5'-6" 3 x 4'-4"	1 x 8'-8" 2 x 5'-8" 3 x 4'-4"	1 x 10'-6" 2 x 7'-0" 3 x 5'-6"	1 x 11'-0" 2 x 7'-0" 3 x 5
4.27 (14)	1 x 8'-0" 2 x 4'-6" 3 x 4'-0"	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"	1 x 10'-0" 2 x 6'-0" 3 x 4'-8"	1 x 10'-6" 2 x 7'-0" 3 x 5'-4"	1 x 11'-6" 2 x 7'-6" 3 x 6'-0"	1 x 12'-6" 2 x 8'-4" 3 x 6
4.88 (16)	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"	1 x 9'-0" 2 x 5'-6" 3 x 4'-6"	1 x 10'-0" 2 x 6'-6" 3 x 5'-0"	1 x 11'-0" 2 x 7'-6" 3 x 5'-8"	1 x 12'-0" 2 x 8'-0" 3 x 6'-6"	1 x 14'-0" 2 x 9'-4" 3 x 7
in Floor Walls of Two Story Structure	Supporting 2nd Story Wood Fram	ed Walls, Floor and Roof (TYPE G	i)			
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"			1 x 10'-0" 2 x 6'-6" 3 x 5'-0"		1 x 13'-0" 2 x 8'-0" 3 x 6
2.75 (9)	1 x 8'-0" 2 x 5'-0" 3 x 4'-0"	1 x 8'-4" 2 x 5'-4" 3 x 4'-0"		1 x 11'-0" 2 x 7'-0" 3 x 5'-6"	1 x 13'-6" 2 x 8'-6" 3 x 6'-6"	1 x 13'-8" 2 x 9'-0" 3 x 7
3.05 (10)	1 x 8'-8" 2 x 5'-8" 3 x 4'-4"					
3.66 (12)	1 x 9'-4" 2 x 6'-4" 3 x 5'-0"			1 x 12'-4" 2 x 8'-4" 3 x 6'-6"		
4.27 (14)		1 x 10'-4" 2 x 7'-0" 3 x 5'-4"				
4.88 (16)		1 x 11'-0" 2 x 7'-4" 3 x 5'-8"	1 x 13'-0" 2 x 9'-0" 3 x 7'-6"	1 x 14'-0" 2 x 9'-6" 3 x 7'-6"	1 x 15'-6" 2 x 10'-6" 3 x 8'-6"	1 x 17'-0" 2 x 11'-6" 3 x 9
in Floor Walls of Two Story ICF Struc	ure Supporting Wood Frame Floor	s and Roof (TYPE H)	<u> </u>	<u> </u>		
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa					· · · · · · · · · · · · · · · · · · ·
2.44 (8)		1 x 10'-0" 2 x 6'-4" 3 x 5'-0"				
2.75 (9)		1 x 11'-0" 2 x 7'-0" 3 x 5'-4"			1 x 16'-6" 2 x 11'-0" 3 x 8'-6"	
3.05 (10)	1 x 11'-0" 2 x 7'-0" 3 x 5'-6"			1 x 15'-0" 2 x 9'-6" 3 x 7'-6"		
3.66 (12)	1 x 11'-6" 2 x 7'-6" 3 x 6'-0"				1 x 18'-0" 2 x 12'-4" 3 x 9'-8"	
4.27 (14)		1 x 12'-6" 2 x 8'-6" 3 x 7'-0"				
4.88 (16)		1 x 13'-0" 2 x 9'-0" 3 x 7'-0"				
Vertical ICF with 6" Tie Specing	·	able A.1.1.		able A.1.1.		able A.1.1.
einforcement ICF with 8" Tie Specing		able A.1.2.		able A.1.2.		able A.1.2.
	18" 10 M @	450 (18)	10 M @	450 (18)	10 M @	450 (18)
Horizontal Block Height of 12" and Block Height of 16"	10 M @		10 M @		10 M @	

Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A. 1.

This table is to be used in conjunction with the "Design Limitations." 2.

Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in З. the rebar placement drawing.

4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

6. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required. 7.

Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.

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Table A.10.3200. Above Grade Shear Wall Length for Seismic Zone Classification, Sa,ICF > 0.16 and Hourly Wind Pressure, q1/50 ≤ 1.05kPa (in a Building With Walkout Basement), where Building Area ≤ 3200ft²

Wall Height m (ft)				Solemic Zono	Classification		· · · · · · · · · · · · · · · · · · ·	
	Sare	≤ 0.16	Sur	≤ 0.31		≤ 0.53	Saut	≤ 0.79
nd Floor Walls of Two Story ICF Stru								
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided						
2.44 (8)	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 9'-0" 2 x 6'-0" 3 x 4'-6"	1 x 9'-0" 2 x 6'-0" 3 x 4'-6"	1 x 11'-0" 2 x 7'-6" 3 x 6'-0"	1 x 11'-6" 2 x 8'-0" 3 x 6'-4"	1 x 12'-6" 2 x 8'-6" 3 x 7'-0"	1 x 12'-6" 2 x 9'-0" 3 x 1
2.75 (9)	1 x 8'-0" 2 x 4'-6" 3 x 3'-6"	1 x 8'-0" 2 x 4'-6" 3 x 3'-6"	1 x 10'-0" 2 x 7'-0" 3 x 5'-0"	1 x 10'-0" 2 x 7'-0" 3 x 5'-6"	1 x 12'-6" 2 x 8'-6" 3 x 7'-0"	1 x 12'-6" 2 x 9'-0" 3 x 7'-0"	1 x 13'-6" 2 x 9'-6" 3 x 7'-6"	1 x 14'-0" 2 x 10'-0" 3 x
3.05 (10)		1 x 8'-0" 2 x 5'-0" 3 x 4'-0"						
Floor Walls of One Story ICF Structu								
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wal
	Number and length of shear wa	lls provided	•	•	•	•	•	•
2.44 (8)	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 9'-0" 2 x 5'-0" 3 x 4'-0"	1 x 9'-0" 2 x 5'-6" 3 x 4'-0"	1 x 10'-0" 2 x 7'-0" 3 x 5'-6"	1 x 10'-6" 2 x 7'-0" 3 x 5'-6"	1 x 11'-0" 2 x 8'-0" 3 x 6'-6"	1 x 12'-0" 2 x 8'-0" 3 x
2.75 (9)	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 8'-0" 2 x 4'-0" 3 x 3'-0"	1 x 9'-0" 2 x 6'-0" 3 x 4'-8"	1 x 10'-0" 2 x 6'-0" 3 x 4'-8"	1 x 11'-6" 2 x 8'-0" 3 x 6'-0"	1 x 11'-6" 2 x 8'-0" 3 x 6'-6"	1 x 12'-6" 2 x 9'-0" 3 x 7'-0"	1 x 13'-0" 2 x 9'-0" 3 x
3.05 (10)	1 x 8'-0" 2 x 4'-6" 3 x 3'-6"	1 x 8'-0" 2 x 5'-0" 3 x 3'-6"	1 x 10'-0" 2 x 7'-0" 3 x 5'-0"	1 x 11'-0" 2 x 7'-0" 3 x 5'-6"	1 x 12'-6" 2 x 8'-6" 3 x 7'-0"	1 x 13'-0" 2 x 9'-0" 3 x 7'-0"	1 x 14'-0" 2 x 10'-0" 3 x 8'-0"	1 x 14'-6" 2 x 10'-0" 3 x
3.66 (12)	1 x 8'-0" 2 x 5'-4" 3 x 4'-4"	1 x 9'-6" 2 x 6'-4" 3 x 5'-0"	1 x 11'-0" 2 x 7'-6" 3 x 6'-0"	1 x 13'-6" 2 x 9'-0" 3 x 7'-0"	1 x 15'-0" 2 x 10'-6" 3 x 8'-6"	1 x 15'-6" 2 x 10'-6" 3 x 8'-6"	1 x 17'-0" 2 x 11'-6" 3 x 9'-6"	1 x 17'-0" 2 x 12'-0" 3 x
4.27 (14)	1 x 9'-0" 2 x 6'-4" 3 x 5'-0"	1 x 9'-6" 2 x 6'-6" 3 x 5'-0"	1 x 13'-0" 2 x 9'-0" 3 x 7'-0"	1 x 13'-6" 2 x 9'-0" 3 x 7'-6"	1 x 17'-6" 2 x 12'-0" 3 x 9'-6"	1 x 18'-0" 2 x 12'-6" 3 x 10'-0"	1 x 19'-0" 2 x 13'-6" 3 x 11'-0"	1 x 20'-0" 2 x 14'-0" 3 x
4.88 (16)	1 x 9'-6" 2 x 6'-6" 3 x 5'-0"	1 x 10'-6" 2 x 7'-4" 3 x 5'-8"	1 x 13'-6" 2 x 9'-0" 3 x 8'-0"	1 x 15'-0" 2 x 10'-6" 3 x 8'-4"	1 x 19'-0" 2 x 12'-6" 3 x 10'-0"	1 x 20'-6" 2 x 14'-0" 3 x 11'-6"	1 x 22'-0" 2 x 15'-0" 3 x 12'-0"	1 x 23'-0" 2 x 16'-0" 3 x 3
Floor Walls of Two Story Structure	Supporting 2nd Story Wood Fram	ned Walls, Floor and Roof (TYPE	5)					
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided						
2.44 (8)	1 x 10'-0" 2 x 6'-6" 3 x 5'-0"	1 x 10'-0" 2 x 6'-6" 3 x 5'-0"	1 x 14'-0" 2 x 9'-6" 3 x 7'-6"	1 x 14'-0" 2 x 9'-6" 3 x 7'-6"	1 x 19'-0" 2 x 13'-0" 3 x 11'-0"	1 x 19'-0" 2 x 13'-0" 3 x 11'-0"	1 x 20'-0" 2 x 14'-0" 3 x 12'-0"	1 x 20'-0" 2 x 14'-0" 3 x 3
2.75 (9)	1 x 11'-0" 2 x 7'-0" 3 x 6'-0"	1 x 11'-0" 2 x 7'-0" 3 x 6'-0"	1 x 15'-0" 2 x 10'-0" 3 x 8'-0"	1 x 15'-0" 2 x 10'-0" 3 x 8'-0"	1 x 20'-6" 2 x 14'-0" 3 x 11'-0"	1 x 20'-6" 2 x 14'-0" 3 x 11'-0"	1 x 20'-0" 2 x 14'-0" 3 x 12'-0"	1 x 20'-0" 2 x 14'-0" 3 x 3
3.05 (10)	1 x 11'-0" 2 x 7'-6" 3 x 6'-0"	1 x 11'-0" 2 x 7'-6" 3 x 6'-0"	1 x 16'-0" 2 x 11'-0" 3 x 8'-6"	1 x 17'-0" 2 x 11'-0" 3 x 8'-6"	1 x 21'-6" 2 x 14'-6" 3 x 11'-6"	1 x 21'-6" 2 x 14'-6" 3 x 11'-6"	1 x 22'-0" 2 x 15'-0" 3 x 12'-0"	1 x 22'-0" 2 x 15'-0" 3 x 3
3.66 (12)	1 x 11'-6" 2 x 8'-0" 3 x 6'-6"	1 x 13'-0" 2 x 9'-0" 3 x 7'-0"	1 x 16'-0" 2 x 11'-6" 3 x 9'-0"	1 x 18'-6" 2 x 12'-6" 3 x 10'-0"	1 x 21'-6" 2 x 15'-0" 3 x 12'-0"	1 x 21'-6" 2 x 15'-0" 3 x 12'-0"	1 x 24'-0" 2 x 16'-6" 3 x 14'-0"	1 x 24'-0" 2 x 16'-6" 3 x
4.27 (14)		1 x 13'-0" 2 x 9'-0" 3 x 7'-0"						
4.88 (16)		1 x 13'-6" 2 x 9'-0" 3 x 7'-6"	1 x 17'-6" 2 x 12'-0" 3 x 10'-0"	1 x 19'-0" 2 x 13'-0" 3 x 10'-6"	1 x 24'-0" 2 x 16'-6" 3 x 13'-0"	1 x 26'-0" 2 x 18'-0" 3 x 14'-6"	1 x 28'-0" 2 x 20'-0" 3 x 16'-0"	1 x 29'-0" 2 x 20'-0" 3 x 3
n Floor Walls of Two Story ICF Structu								
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa							······
2.44 (8)		1 x 12'-6" 2 x 8'-6" 3 x 6'-6"				1 x 22'-0" 2 x 15'-0" 3 x 12'-0"		
2.75 (9)		1 x 13'-0" 2 x 9'-0" 3 x 7'-0"			1 x 22'-0" 2 x 15'-0" 3 x 13'-0"			
3.05 (10)	1 x 14'-0" 2 x 9'-0" 3 x 7'-0"			1 x 20'-0" 2 x 14'-0" 3 x 11'-0"				
3.66 (12)	1 x 14'-0" 2 x 9'-6" 3 x 7'-6"			1 x 23'-0" 2 x 16'-0" 3 x 12'-6"				
4.27 (14)	1 x 15'-0" 2 x 10'-0" 3 x 8'-0"			1 x 23'-0" 2 x 16'-0" 3 x 12'-6"				
4.88 (16)		1 x 17'-0" 2 x 11'-0" 3 x 9'-0"						
Vertical ICF with 6" Tie Specing		able A.2.1.		ble A.2.1.	As per ta		As per ta	
nforcement ICF with 8" Tie Specing		able A.2.2.		ble A.2.2.		ble A.2.2.	As per ta	
Iorizontal Block Height of 12" and 1		able A.2.1.		ble A.2.1.		ble A.2.1.	As per ta	
nforcement Block Height of 16"		able A.2.2.		ble A.2.2.		ble A.2.2.		ble A.2.2.

DTES

1.

2

S_{altCF} is equivalent spectral response acceleration for ICF walls as provided in Appendix A. This table is to be used in conjunction with the "Design Limitations." Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in 3. the rebar placement drawing.

All four sides of the building are to have a minimum number and length of shear walls that conforms to this table. 4.

5. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.

- 6. 7. Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.
- Horizontal reinforcement in shear walls where Salce > 0.16 must be anchored using a standard 180° hook around vertical end bars. 8.

9. When using this table for $S_{a,ICF} \leq 0.16$, use the vertical and horizontal distributed steel in Tables A.2.1. or A.2.2.

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Table A. 11.3200. – <u>Above Grade Walkout Basement</u> Shear Wall Length for Seismic Zone Classification, $S_{a,ICF} \le 0.31$ and Hourly Wind Pressure, q1/50 ≤ 1.05 kPa, where Building Area ≤ 3200 ft²

Wall Height m (ft)					Classification			
	S _{AJCF}	r ≤ 0.07	S _{a,ICF}	≤ 0.11	S _{a,ICF}	≤ 0.16	S _{AJCF}	≤ 0.31
Ikout Basement Wall of a Single Sto	ry ICF Structure Supporting Wood F	ramed Roof (TYPE W1)						
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	ils provided						
2.44 (8)	1 x 8'-0" 2 x 5'-6" 3 x 4'-6"	1 x 8'-6" 2 x 6'-0" 3 x 4'-6"	1 x 10'-0" 2 x 7'-0" 3 x 5'-6"	1 x 10'-6" 2 x 7'-6" 3 x 6'-0"	1 x 12'-6" 2 x 8'-6" 3 x 7'-0"	1 x 13'-0" 2 x 9'-0" 3 x 7'-0"	1 x 18'-0" 2 x 12'-0" 3 x 10'-0"	1 x 19'-0" 2 x 13'-0" 3 x 10'-
2.75 (9)	1 x 8'-0" 2 x 5'-6" 3 x 4'-6"	1 x 9'-0" 2 x 6'-0" 3 x 5'-0"	1 x 10'-6" 2 x 7'-0" 3 x 6'-0"	1 x 11'-0" 2 x 7'-6" 3 x 6'-0"	1 x 12'-6" 2 x 9'-0" 3 x 7'-0"	1 x 13'-4" 2 x 9'-0" 3 x 7'-4"	1 x 18'-0" 2 x 12'-6" 3 x 10'-0"	1 x 19'-0" 2 x 13'-0" 3 x 10'
3.05 (10)	1 x 8'-6" 2 x 6'-0" 3 x 4'-6"	1 x 9'-0" 2 x 6'-6" 3 x 5'-0"	1 x 10'-6" 2 x 7'-6" 3 x 6'-0"	1 x 11'-0" 2 x 7'-6" 3 x 6'-0"	1 x 13'-0" 2 x 9'-0" 3 x 7'-6"	1 x 13'-6" 2 x 9'-6" 3 x 7'-6"	1 x 18'-6" 2 x 13'-0" 3 x 10'-6"	1 x 19'-6" 2 x 13'-6" 3 x 11
3.66 (12)	1 x 9'-0" 2 x 6'-0" 3 x 5'-0"	1 x 10'-0" 2 x 6'-6" 3 x 5'-6"	1 x 11'-4" 2 x 8'-0" 3 x 6'-6"	1 x 12'-0" 2 x 8'-0" 3 x 6'-6"	1 x 13'-6" 2 x 9'-6" 3 x 8'-0"	1 x 14'-6" 2 x 10'-0" 3 x 8'-0"	1 x 19'-6" 2 x 13'-6" 3 x 11'-0"	1 x 21'-0" 2 x 14'-0" 3 x 11
Ikout Basement Walls of a Two Stor	y Wood Framed Structure Supporti-	ng Wood Frame Floors and Roof	(TYPE W2)					
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	Ils provided						
2.44 (8)	1 x 9'-6" 2 x 6'-6" 3 x 5'-0"	1 x 9'-6" 2 x 6'-6" 3 x 5'-0"	1 x 10'-6" 2 x 7'-6" 3 x 6'-0"	1 x 10'-6" 2 x 7'-6" 3 x 6'-0"	1 x 13'-0" 2 x 9'-0" 3 x 7'-0"	1 x 13'-0" 2 x 9'-0" 3 x 7'-0"	1 x 18'-0" 2 x 12'-6" 3 x 10'-0"	1 x 18'-0" 2 x 12'-6" 3 x 10
2.75 (9)	1 x 9'-6" 2 x 6'-6" 3 x 5'-6"	1 x 9'-6" 2 x 6'-6" 3 x 5'-6"	1 x 11'-0" 2 x 8'-0" 3 x 6'-0"	1 x 11'-0" 2 x 8'-0" 3 x 6'-0"	1 x 13'-0" 2 x 9'-4" 3 x 7'-4"	1 x 13'-0" 2 x 9'-4" 3 x 7'-4"	1 x 18'-6" 2 x 13'-0" 3 x 10'-4"	1 x 18'-6" 2 x 13'-0" 3 x 10
3.05 (10)	1 x 10'-0" 2 x 7'-0" 3 x 5'-6"	1 x 10'-0" 2 x 7'-0" 3 x 5'-6"	1 x 11'-0" 2 x 8'-0" 3 x 6'-0"	1 x 11'-0" 2 x 8'-0" 3 x 6'-0"	1 x 13'-6" 2 x 9'-4" 3 x 7'-4"	1 x 13'-6" 2 x 9'-4" 3 x 7'-4"	1 x 19'-0" 2 x 13'-4" 3 x 10'-6"	1 x 19'-0" 2 x 13'-4" 3 x 10
3.66 (12)	1 x 10'-6" 2 x 7'-0" 3 x 5'-6"	1 x 10'-6" 2 x 7'-0" 3 x 5'-6"	1 x 11'-6" 2 x 8'-0" 3 x 6'-6"	1 x 11'-6" 2 x 8'-0" 3 x 6'-6"	1 x 14'-0" 2 x 9'-6" 3 x 7'-8"	1 x 14'-0" 2 x 9'-6" 3 x 7'-8"	1 x 19'-6" 2 x 13'-6" 3 x 11'-0"	1 x 19'-6" 2 x 13'-6" 3 x 11
Ikout Basement Wall of a Two Story	Building with Main Floor ICF Walls	Supporting 2nd Story Wood Fra-	med Walls, Floor and Roof (TYP)	E W3)				
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	Ils provided						
2.44 (8)	1 x 10'-0" 2 x 7'-0" 3 x 5'-8"	1 x 10'-0" 2 x 7'-4" 3 x 5'-8"	1 x 12'-6" 2 x 8'-6" 3 x 7'-0"	1 x 12'-6" 2 x 9'-0" 3 x 7'-0"	1 x 15'-0" 2 x 10'-6" 3 x 8'-8"	1 x 15'-6" 2 x 10'-6" 3 x 8'-8"	1 x 21'-0" 2 x 15'-0" 3 x 12'-0"	1 x 22'-0" 2 x 15'-0" 3 x 12
2.75 (9)	1 x 10'-0" 2 x 7'-4" 3 x 5'-8"	1 x 10'-0" 2 x 7'-4" 3 x 5'-8"	1 x 12'-6" 2 x 9'-0" 3 x 7'-0"	1 x 13'-0" 2 x 9'-0" 3 x 7'-0"	1 x 16'-0" 2 x 10'-6" 3 x 8'-8"	1 x 16'-0" 2 x 11'-0" 3 x 8'-8"	1 x 21'-6" 2 x 15'-0" 3 x 12'-4"	1 x 22'-0" 2 x 15'-6" 3 x 12
3.05 (10)	1 x 10'-0" 2 x 7'-4" 3 x 5'-8"	1 x 10'-6" 2 x 7'-4" 3 x 5'-8"	1 x 13'-0" 2 x 9'-0" 3 x 7'-4"	1 x 13'-0" 2 x 9'-0" 3 x 7'-4"	1 x 16'-0" 2 x 11'-0" 3 x 8'-8"	1 x 16'-0" 2 x 11'-0" 3 x 9'-0"	1 x 22'-0" 2 x 15'-6" 3 x 12'-4"	1 x 22'-6" 2 x 15'-6" 3 x 12
	1 × 11' 0" 2 × 7' 4" 2 × 6' 0"	A A AL OT AL AT AL CLOT	1 x 13'-6" 2 x 9'-6" 3 x 7'-6"	1 x 13'-6" 2 x 9'-6" 3 x 7'-6"	1 x 16'-4" 2 x 11'-4" 3 x 9'-0"	1 x 16'-6" 2 x 11'-6" 3 x 9'-4"	1 x 23'-0" 2 x 16'-0" 3 x 13'-0"	1 x 23'-6" 2 x 16'-6" 3 x 13
3.66 (12)		1 X 11 - U 2 X / - 4 3 X 0 - U						
3.66 (12) Ikout Basement Wall of Two Story IG								
			6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	CF Structure Supporting Wood Fram	ne Floors and Roof (TYPE W4) 10" & 12" Thick Wall				10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	CF Structure Supporting Wood Fram 6" & 8" Thick Wall Number and length of shear wal	ne Floors and Roof (TYPE W4) 10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall			
lkout Basement Wall of Two Story K	CF Structure Supporting Wood Fram 6" & 8" Thick Wall Number and length of shear wal	Image: Floors and Roof (TYPE W4) 10" & 12" Thick Wall Ils provided 1 x 12'-0" 2 x 8'-0" 3 x 6'-4"	6" & 8" Thick Wall 1 x 14'-0" 2 x 10'-0" 3 x 8'-0"	10" & 12" Thick Wall	6" & 8" Thick Wall	1 x 18'-0" 2 x 12'-6" 3 x 10'-0"	1 x 24'-0" 2 x 17'-0" 3 x 13'-6"	1 x 25'-0" 2 x 18'-0" 3 x 14
Ikout Basement Wall of Two Story Id	CF Structure Supporting Wood Fram 6" & 8" Thick Wall Number and length of shear wal 1 x 11'-0" 2 x 7'-6" 3 x 6'-4" 1 x 11'-6" 2 x 8'-0" 3 x 6'-4"	Image: Floors and Roof (TYPE W4) 10" & 12" Thick Wall Ils provided 1 x 12'-0" 2 x 8'-0" 3 x 6'-4"	6" & 8" Thick Wall 1 × 14'-0" 2 × 10'-0" 3 × 8'-0" 1 × 15'-0" 2 × 10'-0" 3 × 8'-0"	10" & 12" Thick Wall 1 x 14'-6" 2 x 10'-0" 3 x 8'-0" 1 x 15'-0" 2 x 10'-6" 3 x 8'-6"	6" & 8" Thick Wall 1 x 17'-0" 2 x 12'-0" 3 x 9'-6" 1 x 18'-0" 2 x 12'-0" 3 x 10'-0"	1 x 18'-0" 2 x 12'-6" 3 x 10'-0" 1 x 18'-0" 2 x 12'-6" 3 x 10'-0"	1 x 24'-0" 2 x 17'-0" 3 x 13'-6" 1 x 25'-0" 2 x 17'-0" 3 x 14'-0"	1 x 25'-0" 2 x 18'-0" 3 x 14 1 x 26'-0" 2 x 18'-0" 3 x 14
2.44 (8) 2.75 (9)	CF Structure Supporting Wood Fram 6" & 8" Thick Wall Number and length of shear wal 1 x 11'-0" 2 x 7'-6" 3 x 6'-4" 1 x 11'-6" 2 x 8'-0" 3 x 6'-4"	Floors and Roof (TYPE W4) 10" & 12" Thick Wall Ils provided 1 x 12'-0" 2 x 8'-0" 3 x 6'-4" 1 x 12'-0" 2 x 8'-0" 3 x 6'-6"	6" & 8" Thick Wall 1 x 14'-0" 2 x 10'-0" 3 x 8'-0" 1 x 15'-0" 2 x 10'-0" 3 x 8'-0" 1 x 15'-0" 2 x 10'-0" 3 x 8'-6"	10" & 12" Thick Wall 1 x 14'-6" 2 x 10'-0" 3 x 8'-0" 1 x 15'-0" 2 x 10'-6" 3 x 8'-6" 1 x 15'-0" 2 x 10'-6" 3 x 8'-6"	6" & 8" Thick Wall 1 x 17'-0" 2 x 12'-0" 3 x 9'-6" 1 x 18'-0" 2 x 12'-0" 3 x 10'-0" 1 x 18'-0" 2 x 12'-6" 3 x 10'-0"	1 x 18'-0" 2 x 12'-6" 3 x 10'-0" 1 x 18'-0" 2 x 12'-6" 3 x 10'-0" 1 x 18'-6" 2 x 13'-0" 3 x 10'-6"	1 x 24'-0" 2 x 17'-0" 3 x 13'-6" 1 x 25'-0" 2 x 17'-0" 3 x 14'-0" 1 x 25'-0" 2 x 18'-0" 3 x 14'-0"	1 x 25'-0" 2 x 18'-0" 3 x 14 1 x 26'-0" 2 x 18'-0" 3 x 14 1 x 26'-0" 2 x 18'-0" 3 x 14
Lout Basement Wall of Two Story II 2.44 (8) 2.75 (9) 3.05 (10)	CF Structure Supporting Wood Fram 6* & 8* Thick Wall Number and length of shear wal 1 x 11'-0* 2 x 7'-6* 3 x 6'-4* 1 x 11'-6* 2 x 8'-0* 3 x 6'-4* 1 x 11'-6* 2 x 8'-0* 3 x 6'-4* 1 x 11'-6* 2 x 8'-0* 3 x 6'-8*	Image: Second	6" & 8" Thick Wall 1 x 14'-0" 2 x 10'-0" 3 x 8'-0" 1 x 15'-0" 2 x 10'-0" 3 x 8'-0" 1 x 15'-0" 2 x 10'-0" 3 x 8'-6"	10" & 12" Thick Wall 1 x 14'-6" 2 x 10'-0" 3 x 8'-0" 1 x 15'-0" 2 x 10'-6" 3 x 8'-6" 1 x 15'-0" 2 x 10'-6" 3 x 8'-6"	6" & 8" Thick Wall 1 x 17'-0" 2 x 12'-0" 3 x 9'-6" 1 x 18'-0" 2 x 12'-0" 3 x 10'-0" 1 x 18'-0" 2 x 12'-6" 3 x 10'-0"	1 x 18'-0" 2 x 12'-6" 3 x 10'-0" 1 x 18'-0" 2 x 12'-6" 3 x 10'-0" 1 x 18'-6" 2 x 13'-0" 3 x 10'-6"	1 x 24'-0" 2 x 17'-0" 3 x 13'-6" 1 x 25'-0" 2 x 17'-0" 3 x 14'-0" 1 x 25'-0" 2 x 18'-0" 3 x 14'-0"	1 x 25'-0" 2 x 18'-0" 3 x 14 1 x 26'-0" 2 x 18'-0" 3 x 14 1 x 26'-0" 2 x 18'-0" 3 x 14
Ikout Basement Wall of Two Story Id 2.44 (8) 2.75 (9) 3.05 (10) 3.66 (12)	CF Structure Supporting Wood Fram 6* & 8* Thick Wall Number and length of shear wal 1 x 11'-0* 2 x 7'-6* 3 x 6'-4* 1 x 11'-6* 2 x 8'-0* 3 x 6'-4* 1 x 11'-6* 2 x 8'-0* 3 x 6'-4* 1 x 11'-6* 2 x 8'-0* 3 x 6'-8*	ne Floors and Roof (TYPE W4) 10" & 12" Thick Wall Ils provided 1 x 12'-0" 2 x 8'-0" 3 x 6'-4" 1 x 12'-0" 2 x 8'-0" 3 x 6'-6" 1 x 12'-0" 2 x 8'-4" 3 x 6'-6" 1 x 12'-6" 2 x 8'-6" 3 x 7'-0" 9 300 (12)	6" & 8" Thick Wall 1 x 14'-0" 2 x 10'-0" 3 x 8'-0" 1 x 15'-0" 2 x 10'-0" 3 x 8'-0" 1 x 15'-0" 2 x 10'-0" 3 x 8'-6" 1 x 15'-0" 2 x 10'-6" 3 x 8'-6"	10" & 12" Thick Wall 1 x 14'-6" 2 x 10'-0" 3 x 8'-0" 1 x 15'-0" 2 x 10'-6" 3 x 8'-6" 1 x 15'-0" 2 x 10'-6" 3 x 8'-6" 1 x 16'-0" 2 x 11'-0" 3 x 9'-0"	6" & 8" Thick Wall 1 x 17'-0" 2 x 12'-0" 3 x 9'-6" 1 x 18'-0" 2 x 12'-0" 3 x 10'-0" 1 x 18'-0" 2 x 12'-6" 3 x 10'-0" 1 x 18'-6" 2 x 13'-0" 3 x 10'-6"	1 x 18'-0" 2 x 12'-6" 3 x 10'-0" 1 x 18'-0" 2 x 12'-6" 3 x 10'-0" 1 x 18'-6" 2 x 13'-6" 3 x 10'-6" 1 x 19'-6" 2 x 13'-6" 3 x 11'-0"	1 x 24'-0" 2 x 17'-0" 3 x 13'-6" 1 x 25'-0" 2 x 17'-0" 3 x 14'-0" 1 x 25'-0" 2 x 18'-0" 3 x 14'-0" 1 x 26'-0" 2 x 18'-0" 3 x 14'-6"	1 x 25'-0" 2 x 18'-0" 3 x 14 1 x 26'-0" 2 x 18'-0" 3 x 14 1 x 26'-0" 2 x 18'-0" 3 x 14 1 x 26'-0" 2 x 18'-0" 3 x 15 1 x 27'-0" 2 x 19'-0" 3 x 15
Ikout Basement Wall of Two Story Id 2.44 (8) 2.75 (9) 3.05 (10) 3.66 (12) Vertical 6°, 8° and 10° thick wal	CF Structure Supporting Wood Fram 6''''''''''''''''''''''''''''''''''''	ne Floors and Roof (TYPE W4) 10" & 12" Thick Wall 11s provided 1 x 12'-0" 2 x 8'-0" 3 x 6'-4" 1 x 12'-0" 2 x 8'-0" 3 x 6'-6" 1 x 12'-0" 2 x 8'-4" 3 x 6'-6" 1 x 12'-6" 2 x 8'-6" 3 x 7'-0" 9 300 (12)	6" & 8" Thick Wall 1 x 14'-0" 2 x 10'-0" 3 x 8'-0" 1 x 15'-0" 2 x 10'-0" 3 x 8'-0" 1 x 15'-0" 2 x 10'-0" 3 x 8'-6" 1 x 15'-0" 2 x 10'-6" 3 x 8'-6" 15 M @	10" & 12" Thick Wall 1 x 14'-6" 2 x 10'-0" 3 x 8'-0" 1 x 15'-0" 2 x 10'-6" 3 x 8'-6" 1 x 15'-0" 2 x 10'-6" 3 x 8'-6" 1 x 16'-0" 2 x 11'-0" 3 x 9'-0" 300 (12)	6" & 8" Thick Wall 1 x 17'-0" 2 x 12'-0" 3 x 9'-6" 1 x 18'-0" 2 x 12'-0" 3 x 10'-0" 1 x 18'-0" 2 x 12'-0" 3 x 10'-0" 1 x 18'-6" 2 x 13'-0" 3 x 10'-6" 15 M @	1 x 18'-0" 2 x 12'-6" 3 x 10'-0" 1 x 18'-0" 2 x 12'-6" 3 x 10'-0" 1 x 18'-6" 2 x 13'-0" 3 x 10'-6" 1 x 19'-6" 2 x 13'-6" 3 x 11'-0" 300 (12)	1 x 24'-0" 2 x 17'-0" 3 x 13'-6" 1 x 25'-0" 2 x 17'-0" 3 x 14'-6" 1 x 25'-0" 2 x 18'-0" 3 x 14'-0" 1 x 26'-0" 2 x 18'-0" 3 x 14'-6" 15 M @	1 x 25'-0" 2 x 18'-0" 3 x 14 1 x 26'-0" 2 x 18'-0" 3 x 14 1 x 26'-0" 2 x 18'-0" 3 x 14 1 x 26'-0" 2 x 18'-0" 3 x 15 1 x 27'-0" 2 x 19'-0" 3 x 15 300 (12)

NOTES:

- 1. $S_{a,ICF}$ is equivalent spectral response acceleration for ICF walls as provided in Appendix A.
- 2. This table is to be used in conjunction with the "Design Limitations."
- Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in the rebar placement drawing.
- 4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.
- 5. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.
- 6. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.
- 7. Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.
- Horizontal reinforcement in shear walls where S_{a,ICF} > 0.16 must be anchored using a standard 180° hook around vertical end bars.
 Walkout basement shear walls are to be reviewed and designed by a structural engineer where Sa,ICF > 0.31.

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Table A.3.2400. Above Grade Shear Wall Length for Seismic Zone Classification, Sa,ICF ≤ 0.16 and Hourly Wind Pressure, q1/50 ≤ 0.5kPa (in a Building Without Walkout Basement), where Building Area ≤ 2400ft²

Wall Height m (ft)			Seismic Zone	Classification		
		_{CF} ≤ 0.07	S _{a,ICF}	≤ 0.11	S _{a,ICF}	≤ 0.16
d Floor Walls of Two Story ICF Str	ucture Supporting Wood Frame R			1		
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear w					
2.44 (8)	1 x 7'-4" 2 x 3'-8" 3 x 2'-8		1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"		
2.75 (9)	1 x 7'-4" 2 x 3'-8" 3 x 2'-8		1 x 7'-4" 2 x 3'-8" 3 x 2'-9"			
3.05 (10)		8" 1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 3'-3"	1 x 7'-4" 2 x 4'-2" 3 x 3'-3"	1 x 7'-10" 2 x 5'-1" 3 x 3'-8"	1 x 8'-3" 2 x 5'-1" 3 x 3
loor Walls of One Story ICF Struc	ture Supporting Wood Frame Roo					
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wal
	Number and length of shear w					
2.44 (8)	1 x 7'-4" 2 x 3'-8" 3 x 2'-8	3" 1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x
2.75 (9)	1 x 7'-4" 2 x 3'-8" 3 x 2'-8	3" 1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x
3.05 (10)	1 x 7'-4" 2 x 3'-8" 3 x 2'-8	3" 1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 4'-2" 3 x 3'-3"	1 x 7'-4" 2 x 4'-7" 3 x
3.66 (12)	1 x 7'-4" 2 x 3'-8" 3 x 2'-9			1 x 7'-4" 2 x 4'-2" 3 x 3'-3"		1 x 8'-3" 2 x 5'-1" 3 x
4.27 (14)	1 x 7'-4" 2 x 3'-8" 3 x 2'-9	9" 1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 7'-4" 2 x 5'-1" 3 x 3'-8"		1 x 9'-2" 2 x 6'-5" 3 x
4.88 (16)	1 x 7'-4" 2 x 3'-8" 3 x 2'-9	9" 1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 8'-3" 2 x 5'-6" 3 x 4'-2"	1 x 9'-2" 2 x 5'-12" 3 x 4'-7"	1 x 10'-1" 2 x 6'-11" 3 x
loor Walls of Two Story Structure	e Supporting 2nd Story Wood Fra	med Walls, Floor and Roof (TYPE	c)	-	-	
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wal
	Number and length of shear w	alls provided				
2.44 (8)		9" 1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 8'-3" 2 x 5'-6" 3 x 4'-7"	1 x 8'-3" 2 x 5'-12" 3 x 4'-7"		1 x 10'-7" 2 x 6'-5" 3 x
2.75 (9)	1 x 7'-4" 2 x 4'-2" 3 x 3'-3			1 x 9'-2" 2 x 6'-5" 3 x 4'-7"	1 x 11'-0" 2 x 6'-11" 3 x 5'-6"	1 x 11'-0" 2 x 6'-11" 3 x
3.05 (10)	1 x 7'-4" 2 x 4'-7" 3 x 3'-8	3" 1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 8'-9" 2 x 6'-9" 3 x 5'-6"	1 x 9'-2" 2 x 6'-9" 3 x 5'-6"	1 x 11'-0" 2 x 7'-4" 3 x 5'-12"	1 x 11'-6" 2 x 7'-4" 3 x 5
3.66 (12)	1 x 7'-10" 2 x 5'-1" 3 x 3'-8				1 x 11'-12" 2 x 8'-3" 3 x 6'-5"	
4.27 (14)	1 x 7'-10" 2 x 5'-1" 3 x 4'-2	?" 1 x 7'-10" 2 x 5'-6" 3 x 4'-2"	1 x 10'-1" 2 x 7'-10" 3 x 6'-5"	1 x 10'-7" 2 x 8'-3" 3 x 6'-5"	1 x 11'-12" 2 x 8'-3" 3 x 6'-5"	1 x 12'-11" 2 x 9'-2" 3 x
4.88 (16)	1 x 7'-10" 2 x 5'-1" 3 x 4'-2	2" 1 x 8'-3" 2 x 5'-6" 3 x 4'-7"	1 x 10'-1" 2 x 8'-3" 3 x 6'-11"	1 x 11'-0" 2 x 8'-9" 3 x 6'-11"	1 x 11'-12" 2 x 8'-3" 3 x 6'-11"	1 x 13'-4" 2 x 9'-2" 3 x
loor Walls of Two Story ICF Struc	ture Supporting Wood Frame Flor		V V	V C	V V	<u>v v</u>
loor Walls of Two Story ICF Struc	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wal
		10" & 12" Thick Wall alls provided				
2.44 (8)	6" & 8" Thick Wall Number and length of shear w 1 x 8'-3" 2 x 5'-1" 3 x 3'-8	10" & 12" Thick Wall alls provided " 1 x 8'-3" 2 x 5'-1" 3 x 4'-2"	1 x 10'-1" 2 x 6'-5" 3 x 5'-1"	1 x 11'-0" 2 x 7'-4" 3 x 5'-6"	1 x 12'-11" 2 x 8'-3" 3 x 6'-5"	1 x 14'-9" 2 x 9'-2" 3 x
2.44 (8) 2.75 (9)	6" & 8" Thick Wall Number and length of shear w 1 x 8'-3" 2 x 5'-1" 3 x 3'-5 1 x 8'-3" 2 x 5'-6" 3 x 3'-5	10" & 12" Thick Wall alls provided 3" 1 x 8'-3" 2 x 5'-1" 3 x 4'-2" 3" 1 x 9'-2" 2 x 5'-6" 3 x 4'-7"	1 x 10'-1" 2 x 6'-5" 3 x 5'-1" 1 x 11'-0" 2 x 6'-11" 3 x 5'-6"	1 x 11'-0" 2 x 7'-4" 3 x 5'-6" 1 x 11'-12" 2 x 7'-4" 3 x 5'-6"	1 x 12'-11" 2 x 8'-3" 3 x 6'-5" 1 x 13'-10" 2 x 8'-9" 3 x 7'-4"	1 x 14'-9" 2 x 9'-2" 3 x 1 x 14'-9" 2 x 10'-1" 3 x
2.44 (8) 2.75 (9) 3.05 (10)	6" & B" Thick Wall Number and length of shear w 1 x 8'-3" 2 x 5'-1" 3 x 3'-2 1 x 8'-3" 2 x 5'-6" 3 x 3'-2 1 x 8'-9" 2 x 5'-6" 3 x 4'-2	10" & 12" Thick Wall alls provided 3" 1 x 8'-3" 2 x 5'-1" 3 x 4'-2" 3" 1 x 9'-2" 2 x 5'-6" 3 x 4'-7" 1" 1 x 9'-2" 2 x 5'-12" 3 x 4'-7"	1 x 10'-1" 2 x 6'-5" 3 x 5'-1" 1 x 11'-0" 2 x 6'-11" 3 x 5'-6" 1 x 11'-12" 2 x 7'-4" 3 x 5'-6"	1 x 11'-0" 2 x 7'-4" 3 x 5'-6" 1 x 11'-12" 2 x 7'-4" 3 x 5'-6" 1 x 11'-12" 2 x 7'-10" 3 x 6'-5"	1 x 12'-11" 2 x 8'-3" 3 x 6'-5" 1 x 13'-10" 2 x 8'-9" 3 x 7'-4" 1 x 14'-3" 2 x 9'-2" 3 x 7'-4"	1 x 14'-9" 2 x 9'-2" 3 x 1 x 14'-9" 2 x 10'-1" 3 x 1 x 15'-8" 2 x 10'-1" 3 x
2.44 (8) 2.75 (9) 3.05 (10) 3.66 (12)	6" & 8" Thick Wall Number and length of shear w. 1 x 8'-3" 2 x 5'-1" 3 x 3'-4 1 x 8'-3" 2 x 5'-6" 3 x 3'-4 1 x 8'-3" 2 x 5'-6" 3 x 4'-7 1 x 9'-2" 2 x 6'-5" 3 x 4'-7	10" & 12" Thick Wall alls provided " 1x 8"-3" 2 x 5'-1" 3 x 4'-2" " 1x 9'-2" 2 x 5'-6" 3 x 4'-7" " 1 x 9'-2" 2 x 5'-6" 3 x 4'-7" " 1 x 9'-2" 2 x 5'-5" 3 x 4'-7" " 1 x 9'-2" 2 x 6'-5" 3 x 4'-7"	1 x 10'-1" 2 x 6'-5" 3 x 5'-1" 1 x 11'-0" 2 x 6'-11" 3 x 5'-6" 1 x 11'-12" 2 x 7'-4" 3 x 5'-6" 1 x 11'-12" 2 x 8'-3" 3 x 6'-5"	1 x 11'-0" 2 x 7'-4" 3 x 5'-6" 1 x 11'-12" 2 x 7'-4" 3 x 5'-6" 1 x 11'-12" 2 x 7'-10" 3 x 6'-5" 1 x 12'-5" 2 x 8'-3" 3 x 6'-5"	1 x 12'-11" 2 x 8'-3" 3 x 6'-5" 1 x 13'-10" 2 x 8'-9" 3 x 7'-4" 1 x 14'-3" 2 x 9'-2" 3 x 7'-4" 1 x 14'-9" 2 x 10'-1" 3 x 8'-3"	1 x 14'-9" 2 x 9'-2" 3 x 1 x 14'-9" 2 x 10'-1" 3 x 1 x 15'-8" 2 x 10'-1" 3 x 1 x 15'-8" 2 x 10'-1" 3 x
2.44 (8) 2.75 (9) 3.05 (10) 3.66 (12) 4.27 (14)	6" & 8" Thick Wall Number and length of shear w. 1 x 8'-3" 2 x 5'-1" 3 x 3'-6 1 x 8'-3" 2 x 5'-6" 3 x 4'-7 1 x 8'-9" 2 x 5'-6" 3 x 4'-7 1 x 9'-2" 2 x 6'-5" 3 x 4'-7 1 x 9'-2" 2 x 6'-5" 3 x 5'-7	10" & 12" Thick Wall alls provided "1 x 8'-3" 2 x 5'-1" 3 x 4'-2" 3" 1 x 9'-2" 2 x 5'-6" 3 x 4'-7" 1" 1 x 9'-2" 2 x 5'-12" 3 x 4'-7" "1 x 9'-2" 2 x 5'-12" 3 x 4'-7" "1 x 9'-2" 2 x 5'-14" 3 x 4'-7" "1 x 9'-2" 2 x 5'-14" 3 x 4'-7" "1 x 10'-1" 2 x 6'-15" 3 x 4'-7"	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1 x 11'-0" 2 x 7'-4" 3 x 5'-6" 1 x 11'-12" 2 x 7'-4" 3 x 5'-6" 1 x 11'-12" 2 x 7'-10" 3 x 6'-5" 1 x 12'-5" 2 x 8'-3" 3 x 6'-5" 1 x 13'-4" 2 x 8'-9" 3 x 7'-4"	1 x 12'-11" 2 x 8'-3" 3 x 6'-5" 1 x 13'-10" 2 x 8'-9" 3 x 7'-4" 1 x 14'-3" 2 x 9'-2" 3 x 7'-4" 1 x 14'-9" 2 x 10'-1" 3 x 8'-3" 1 x 14'-9" 2 x 10'-1" 3 x 8'-3"	1 x 14'-9" 2 x 9'-2" 3 x 1 x 14'-9" 2 x 10'-1" 3 x 1 x 15'-8" 2 x 10'-1" 3 x 1 x 15'-8" 2 x 10'-1" 3 x 1 x 15'-8" 2 x 10'-1" 3 x 1 x 16'-7" 2 x 11'-0" 3 x
2.44 (8) 2.75 (9) 3.05 (10) 3.66 (12)	6" & 8" Thick Wall Number and length of shear w 1 x 8'-3" 2 x 5'-1" 3 x 3'-1 1 x 8'-3" 2 x 5'-6" 3 x 4'-1 1 x 8'-9" 2 x 5'-6" 3 x 4'-1 1 x 9'-2" 2 x 6'-5" 3 x 4'-1 1 x 9'-2" 2 x 6'-5" 3 x 4'-1 1 x 9'-2" 2 x 6'-5" 3 x 4'-1 1 x 9'-2" 2 x 6'-5" 3 x 5'-1	10" & 12" Thick Wall alls provided "1 x 8'-3" 2 x 5'-1" 3 x 4'-2" "1 x 9'-2" 2 x 5'-6" 3 x 4'-7" "1 x 9'-2" 2 x 5'-6" 3 x 4'-7" "1 x 9'-2" 2 x 5'-6" 3 x 4'-7" "1 x 9'-2" 2 x 5'-6" 3 x 4'-7" "1 x 9'-2" 2 x 6'-5" 3 x 4'-7" "1 x 9'-2" 2 x 6'-5" 3 x 4'-7" "1 x 10'-7" 2 x 6'-11" 3 x 5'-6"	$\begin{array}{ccccccc} 1 \times 10^{1} - 1^{\prime\prime} & 2 \times 6^{1} - 5^{\prime\prime} & 3 \times 5^{\prime} - 1^{\prime\prime} \\ 1 \times 11^{1} - 0^{\prime\prime} & 2 \times 6^{\prime} - 11^{\prime\prime} & 3 \times 5^{\prime} - 6^{\prime\prime} \\ 1 \times 11^{1} - 12^{\prime\prime} & 2 \times 7^{\prime} - 4^{\prime\prime} & 3 \times 5^{\prime} - 6^{\prime\prime} \\ 1 \times 11^{1} - 12^{\prime\prime} & 2 \times 8^{\prime} - 3^{\prime\prime} & 3 \times 6^{\prime} - 5^{\prime\prime} \\ 1 \times 11^{1} - 12^{\prime\prime} & 2 \times 8^{\prime} - 3^{\prime\prime} & 3 \times 6^{\prime} - 5^{\prime\prime} \\ 1 \times 11^{1} - 12^{\prime\prime} & 2 \times 8^{\prime} - 3^{\prime\prime} & 3 \times 6^{\prime} - 5^{\prime\prime} \end{array}$	1 x 11'-0" 2 x 7'-4" 3 x 5'-6" 1 x 11'-12" 2 x 7'-4" 3 x 5'-6" 1 x 11'-12" 2 x 7'-10" 3 x 6'-5" 1 x 12'-5" 2 x 8'-3" 3 x 6'-5" 1 x 13'-6" 2 x 9'-2" 3 x 7'-4"	1 x 12'-11" 2 x 8'-3" 3 x 6'-5" 1 x 13'-10" 2 x 8'-9" 3 x 7'-4" 1 x 14'-3" 2 x 9'-2" 3 x 7'-4" 1 x 14'-9" 2 x 10'-1" 3 x 8'-3" 1 x 14'-9" 2 x 10'-1" 3 x 8'-3"	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
2.44 (8) 2.75 (9) 3.05 (10) 3.66 (12) 4.27 (14) 4.88 (16) ertical ICF with 6" Tie Specing	6" & 8" Thick Wall Number and length of shear w 1 x 8'-3" 2 x 5'-1" 3 x 3'-1 1 x 8'-3" 2 x 5'-6" 3 x 4'-1 1 x 8'-9" 2 x 5'-6" 3 x 4'-1 1 x 9'-2" 2 x 6'-5" 3 x 4'-1 1 x 9'-2" 2 x 6'-5" 3 x 4'-1 1 x 9'-2" 2 x 6'-5" 3 x 4'-1 1 x 9'-2" 2 x 6'-5" 3 x 5'-1	10" & 12" Thick Wall alls provided "1 x 8'-3" 2 x 5'-1" 3 x 4'-2" 3" 1 x 9'-2" 2 x 5'-6" 3 x 4'-7" 1" 1 x 9'-2" 2 x 5'-12" 3 x 4'-7" "1 x 9'-2" 2 x 5'-12" 3 x 4'-7" "1 x 9'-2" 2 x 5'-14" 3 x 4'-7" "1 x 9'-2" 2 x 5'-14" 3 x 4'-7" "1 x 10'-1" 2 x 6'-15" 3 x 4'-7"	$\begin{array}{ccccccc} 1 \times 10^{1} - 1^{\prime\prime} & 2 \times 6^{1} - 5^{\prime\prime} & 3 \times 5^{\prime} - 1^{\prime\prime} \\ 1 \times 11^{1} - 0^{\prime\prime} & 2 \times 6^{\prime} - 11^{\prime\prime} & 3 \times 5^{\prime} - 6^{\prime\prime} \\ 1 \times 11^{1} - 12^{\prime\prime} & 2 \times 7^{\prime} - 4^{\prime\prime} & 3 \times 5^{\prime} - 6^{\prime\prime} \\ 1 \times 11^{1} - 12^{\prime\prime} & 2 \times 8^{\prime} - 3^{\prime\prime} & 3 \times 6^{\prime} - 5^{\prime\prime} \\ 1 \times 11^{1} - 12^{\prime\prime} & 2 \times 8^{\prime} - 3^{\prime\prime} & 3 \times 6^{\prime} - 5^{\prime\prime} \\ 1 \times 11^{1} - 12^{\prime\prime} & 2 \times 8^{\prime} - 3^{\prime\prime} & 3 \times 6^{\prime} - 5^{\prime\prime} \end{array}$	1 x 11'-0" 2 x 7'-4" 3 x 5'-6" 1 x 11'-12" 2 x 7'-4" 3 x 5'-6" 1 x 11'-12" 2 x 7'-10" 3 x 6'-5" 1 x 12'-5" 2 x 8'-3" 3 x 6'-5" 1 x 13'-4" 2 x 8'-9" 3 x 7'-4"	1 x 12'-11" 2 x 8'-3" 3 x 6'-5" 1 x 13'-10" 2 x 8'-9" 3 x 7'-4" 1 x 14'-3" 2 x 9'-2" 3 x 7'-4" 1 x 14'-9" 2 x 10'-1" 3 x 8'-3" 1 x 14'-9" 2 x 10'-1" 3 x 8'-3"	1 x 14'-9" 2 x 9'-2" 3 x 1 x 14'-9" 2 x 10'-1" 3 x 1 x 15'-8" 2 x 10'-1" 3 x 1 x 15'-8" 2 x 10'-1" 3 x 1 x 15'-8" 2 x 10'-1" 3 x 1 x 16'-7" 2 x 11'-0" 3 x
2.44 (8) 2.75 (9) 3.05 (10) 3.66 (12) 4.27 (14) 4.88 (16)	6" & 8" Thick Wall Number and length of shear w 1x 8'-3" 2 x 5'-1" 3x 3'-1 1x 8'-3" 2 x 5'-6" 3x 3'-1 1x 9'-2" 2 x 5'-6" 3x 4'-1 1x 9'-2" 2 x 6'-5" 3x 5'-1 1x 9'-2" 2 x 6'-5" 3x 5'-1 1x 9'-2" 2 x 6'-5" 3x 5'-1 1x 9'-2" 2 x 6'-5" 3x 5'-1 x 5'-2" 2 x 5'-5" 3x 5'-1 x 5'-2" 5'-2" 5'-2" 5'-2" 5'-2" 5'-2" 5'-2" 5'-2" 5'-2" 5'-2" 5'-	10" & 12" Thick Wall alls provided "1 x 8'-3" 2 x 5'-1" 3 x 4'-2" "1 x 9'-2" 2 x 5'-6" 3 x 4'-7" "1 x 9'-2" 2 x 5'-6" 3 x 4'-7" "1 x 9'-2" 2 x 5'-6" 3 x 4'-7" "1 x 9'-2" 2 x 5'-6" 3 x 4'-7" "1 x 9'-2" 2 x 6'-5" 3 x 4'-7" "1 x 9'-2" 2 x 6'-5" 3 x 4'-7" "1 x 10'-7" 2 x 6'-11" 3 x 5'-6"	1 x 10'-1" 2 x 6'-5" 3 x 5'-1" 1 x 11'-0" 2 x 6'-11" 3 x 5'-6" 1 x 11'-12" 2 x 7'-4" 3 x 5'-6" 1 x 11'-12" 2 x 8'-3" 3 x 6'-5" 1 x 11'-12" 2 x 8'-3" 3 x 6'-5" 1 x 11'-12" 2 x 8'-3" 3 x 6'-5" As per ta	1 x 11'-0" 2 x 7'-4" 3 x 5'-6" 1 x 11'-12" 2 x 7'-4" 3 x 5'-6" 1 x 11'-12" 2 x 7'-10" 3 x 6'-5" 1 x 12'-5" 2 x 8'-3" 3 x 6'-5" 1 x 13'-6" 2 x 9'-2" 3 x 7'-4"	1 x 12'-11" 2 x 8'-3" 3 x 6'-5" 1 x 13'-10" 2 x 8'-9" 3 x 7'-4" 1 x 14'-3" 2 x 9'-2" 3 x 7'-4" 1 x 14'-9" 2 x 10'-1" 3 x 8'-3" 1 x 14'-9" 2 x 10'-1" 3 x 8'-3" 1 x 14'-9" 2 x 10'-1" 3 x 8'-3" As per ta	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
2.44 (8) 2.75 (9) 3.05 (10) 3.66 (12) 4.27 (14) 4.88 (16) ertical ICF with 6" Tie Specing	6" & 8" Thick Wall Number and length of shear w 1 x 8'-3" 2 X 5'-1" 3 x 3'-1 1 x 8'-3" 2 X 5'-6" 3 x 4'-1 1 x 8'-3" 2 X 5'-6" 3 x 4'-1 1 x 9'-2" 2 X 6'-5" 3 x 4'-1 1 x 9'-2" 2 X 6'-5" 3 x 5'-1 1 x 9'-2" 2 X 6'-5" 3 x 5'-1 1 x 9'-2" 2 X 6'-5" 3 x 5'-1 1 x 9'-2" 2 X 6'-5" 3 x 5'-1 1 x 9'-2" 2 X 6'-5" 3 x 5'-1 1 x 9'-2" 2 X 6'-5" 3 x 5'-1 1 x 9'-2" 2 X 6'-5" 3 x 5'-1 1 x 9'-2" 2 X 6'-5" 3 x 5'-1 1 x 9'-2" 2 X 6'-5" 3 x 5'-1 1 x 9'-2" 2 X 6'-5" 3 x 5'-1 1 x 9'-2" 2 X 6'-5" 3 x 5'-1 1 x 9'-2" 2 X 6'-5" 3 x 5'-1 1 x 9'-2" 2 X 6'-5" 3 x 5'-1	10" & 12" Thick Wall alls provided " " 1 x 8 ³ .3" 2 x 5 ¹ .1" 3 x 4 ¹ .2" " 1 x 9 ¹ .2" 2 x 5 ¹ .6" 3 x 4 ¹ .2" " 1 x 9 ¹ .2" 2 x 5 ¹ .1" 3 x 4 ¹ .2" " 1 x 9 ¹ .2" 2 x 5 ¹ .1" 3 x 4 ¹ .2" " 1 x 9 ¹ .2" 2 x 6 ¹ .1" 3 x 5 ¹ .6" " 1 x 10 ¹ .1" 2 x 6 ⁵ .1" 3 x 4 ¹ .2" " 1 x 10 ¹ .1" 2 x 6 ⁵ .1" 3 x 5 ¹ .6" " 1 x 10 ¹ .1" 2 x 6 ⁵ .1" 3 x 5 ¹ .6" " 1 x 10 ¹ .1" 2 x 6 ⁵ .11" 3 x 5 ¹ .6" " 1 x 10 ¹ .1" 2 x 6 ⁵ .11" 3 x 5 ¹ .6" table A.1.2. " " "	1 x 10'-1" 2 x 6'-5" 3 x 5'-1" 1 x 11'-0" 2 x 6'-11" 3 x 5'-6" 1 x 11'-12" 2 x 7'-4" 3 x 5'-6" 1 x 11'-12" 2 x 8'-3" 3 x 6'-5" 1 x 11'-12" 2 x 8'-3" 3 x 6'-5" 1 x 11'-12" 2 x 8'-3" 3 x 6'-5" As per ta	$\begin{array}{c} 1 \times 11' - 0^{\circ} & 2 \times 7' - 4^{\circ} & 3 \times 5' - 6^{\circ} \\ 1 \times 11' - 12'' & 2 \times 7' - 4'' & 3 \times 5' - 6'' \\ 1 \times 11' - 12'' & 2 \times 7' - 10'' & 3 \times 6' - 5'' \\ 1 \times 11' - 12'' & 2 \times 2'' - 3'' & 3 \times 7' - 4'' \\ 1 \times 13' - 6'' & 2 \times 9' - 2'' & 3 \times 7' - 4'' \\ 1 \times 13' - 6'' & 2 \times 9' - 2'' & 3 \times 7' - 4'' \\ 1 \mapsto ble \ A.1.2 \end{array}$	1 x 12'-11" 2 x 8'-3" 3 x 6'-5" 1 x 13'-10" 2 x 8'-9" 3 x 7'-4" 1 x 14'-3" 2 x 9'-2" 3 x 7'-4" 1 x 14'-9" 2 x 10'-1" 3 x 8'-3" 1 x 14'-9" 2 x 10'-1" 3 x 8'-3" 1 x 14'-9" 2 x 10'-1" 3 x 8'-3" As per ta	$\begin{array}{c} 1\times14^{1}\cdot9^{*} & 2\times10^{1}\cdot1^{*} & 3\times\\ 1\times15^{1}\cdot8^{*} & 2\times10^{1}\cdot1^{*} & 3\times\\ 1\times15^{1}\cdot8^{*} & 2\times10^{1}\cdot1^{*} & 3\times\\ 1\times16^{1}\cdot7^{*} & 2\times11^{1}\cdot0^{*} & 3\times\\ 1\times16^{1}\cdot7^{*} & 2\times11^{1}\cdot6^{*} & 3\times\\ 1\times16^{1}\cdot7^{*} & 2\times11^{1}\cdot7^{*} & 3\times\\ 1\times16^{1}\cdot7^{*} & 3\times1^{1}\cdot7^{*} & 3\times$

 $S_{a,cF}$ is equivalent spectral response acceleration for ICF walls as provided in Appendix A. This table is to be used in conjunction with the "Design Limitations." 1.

2.

Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in З. the rebar placement drawing.

All four sides of the building are to have a minimum number and length of shear walls that conforms to this table. 4.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

6. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

7. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.

8. Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.

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Table A.4.2400. Above Grade Shear Wall Length for Seismic Zone Classification, S_{a,ICF} ≤ 0.16 and Hourly Wind Pressure, 0.5kPa < $q1/50 \le 0.75$ kPa (in a Building Without Walkout Basement), where Building Area ≤ 2400ft²

Wall Height m (ft)								Se		Classificati	on							
				≤ 0.07					S _{a,ICF}	≤ 0.11					S _{a,ICF}	≤ 0.16		
cond Floor Walls of Two Story ICF Str										-			-					
		8" Thick W			& 12" Thick	Wall	6" 8	8" Thick	Nall	10" 8	& 12" Thick	Wall	6" 8	& 8" Thick \	Nall	10" 8	k 12" Thick	Wall
	Number and I	length of s	hear wall	s provided														
2.44 (8)	1 x 7'-4" 2	2 x 3'-8"	3 x 2'-8"	1 x 7'-4"	2 x 3'-8"	3 x 2'-8"	1 x 7'-4"	2 x 3'-8"	3 x 2'-9"	1 x 7'-4"	2 x 3'-8"	3 x 2'-9"	1 x 7'-4"	2 x 4'-2"	3 x 3'-3"	1 x 7'-4"	2 x 3'-8"	3 x 2'
2.75 (9)	1 x 7'-4" 2	2 x 3'-8"	3 x 2'-8"	1 x 7'-4"	2 x 3'-8"	3 x 2'-8"	1 x 7'-4"	2 x 3'-8"	3 x 2'-9"	1 x 7'-4"	2 x 3'-8"	3 x 2'-9"	1 x 7'-4"	2 x 4'-7"	3 x 3'-8"	1 x 7'-4"	2 x 4'-7"	3 x 3'
3.05 (10)	1 x 7'-4" 2	2 x 3'-8"	3 x 2'-8"	1 x 7'-4"	2 x 3'-8"	3 x 2'-8"	1 x 7'-4"	2 x 4'-2"	3 x 3'-3"	1 x 7'-4"	2 x 4'-2"	3 x 3'-3"	1 x 8'-3"	2 x 5'-6"	3 x 4'-2"	1 x 8'-3"	2 x 5'-6"	3 x 3
in Floor Walls of One Story ICF Struc	ure Supporting V	Wood Fran	me Roof (TYPE B)														
	6" & 8	8" Thick W	/all	10" 8	& 12" Thick	Wall	6" 8	8" Thick	Nall	10" 8	& 12" Thick	Wall	6" 8	k 8" Thick \	Nall	10" 8	k 12" Thick	Wall
	Number and I	length of s	hear wall	s provided														
2.44 (8)	1 x 7'-4" 2	2 x 3'-8"	3 x 2'-8"	1 x 7'-4"	2 x 3'-8"	3 x 2'-8"	1 x 7'-4"	2 x 3'-8"	3 x 2'-9"	1 x 7'-4"	2 x 3'-8"	3 x 2'-9"	1 x 7'-4"	2 x 3'-8"	3 x 2'-9"	1 x 7'-4"	2 x 3'-8"	3 x 2
2.75 (9)	1 x 7'-4" 2	2 x 3'-8"	3 x 2'-8"	1 x 7'-4"	2 x 3'-8"	3 x 2'-8"	1 x 7'-4"	2 x 3'-8"	3 x 2'-9"	1 x 7'-4"	2 x 3'-8"	3 x 2'-9"	1 x 7'-4"	2 x 3'-8"	3 x 2'-9"	1 x 7'-4"	2 x 3'-8"	3 x 2
3.05 (10)	1 x 7'-4" 2	2 x 3'-8"	3 x 2'-8"	1 x 7'-4"	2 x 3'-8"	3 x 2'-8"	1 x 7'-4"	2 x 3'-8"	3 x 2'-9"	1 x 7'-4"	2 x 3'-8"	3 x 2'-9"	1 x 7'-4"	2 x 4'-7"	3 x 3'-3"	1 x 7'-4"	2 x 4'-7"	3 x 3
3.66 (12)	1 x 7'-4" 2	2 x 3'-8"	3 x 2'-9"	1 x 7'-4"	2 x 3'-8"	3 x 2'-9"	1 x 7'-4"	2 x 4'-2"	3 x 3'-3"	1 x 7'-4"	2 x 4'-2"	3 x 3'-3"	1 x 8'-3"	2 x 5'-6"	3 x 4'-2"	1 x 8'-3"	2 x 5'-6"	3 x 4
4.27 (14)	1 x 7'-4" 2	2 x 3'-8"	3 x 2'-9"	1 x 7'-4"	2 x 3'-8"	3 x 2'-9"	1 x 7'-4"	2 x 4'-7"	3 x 3'-8"	1 x 7'-4"	2 x 5'-1"	3 x 3'-8"	1 x 8'-7"	2 x 5'-6"	3 x 4'-7"	1 x 9'-2"	2 x 6'-5"	3 x 5
4.88 (16)	1 x 7'-4" 2	2 x 3'-8"	3 x 2'-9"	1 x 7'-4"	2 x 4'-7"	3 x 3'-8"	1 x 7'-4"	2 x 4'-7"	3 x 3'-8"	1 x 8'-3"	2 x 5'-6"	3 x 4'-2"	1 x 9'-2"	2 x 5'-12"	3 x 4'-7"	1 x 10'-1"	2 x 6'-11"	3 x 5
in Floor Walls of Two Story Structur	e Supporting 2nd	Story Wo	od Frame	ed Walls, Fl	oor and R	oof (TYPE C	;)											
	6" & 8	8" Thick W	/all	10" 8	& 12" Thick	Wall	6" 8	8" Thick	Wall	10" 8	& 12" Thick	Wall	6" 8	& 8" Thick \	Nall	10" 8	k 12" Thick	Wall
	Number and I	length of s	hear wall	s provided			•											
2.44 (8)	1 x 7'-4" 2	2 x 4'-2"	3 x 3'-3"	1 x 7'-4"	2 x 3'-8"	3 x 2'-9"	1 x 8'-3"	2 x 5'-6"	3 x 4'-7"	1 x 8'-3"	2 x 5'-12"	3 x 4'-7"	1 x 10'-7"	2 x 6'-11"	3 x 5'-6"	1 x 10'-7"	2 x 6'-5"	3 x 5
2.75 (9)	1 x 7'-4" 2				2 x 4'-2"			2 x 5'-12"					1 x 11'-0"					
3.05 (10)	1 x 7'-4" 2	2 x 4'-7"	3 x 3'-8"	1 x 7'-4"	2 x 4'-7"	3 x 3'-8"	1 x 9'-2"	2 x 6'-9"	3 x 5'-6"	1 x 9'-2"	2 x 6'-9"	3 x 5'-6"	1 x 11'-6"	2 x 7'-10"	3 x 5'-12"	1 x 11'-6"	2 x 7'-4"	3 x 5'
3.66 (12)	1 x 7'-10" 2	2 x 5'-1"	3 x 3'-8"	1 x 7'-10"	2 x 5'-1"	3 x 3'-8"	1 x 9'-8"	2 x 7'-8"	3 x 5'-12"	1 x 9'-8"	2 x 7'-8"	3 x 5'-12"	1 x 11'-12"	2 x 8'-3"	3 x 6'-5"	1 x 11'-12"	2 x 8'-3"	3 x 6
4.27 (14)	1 x 7'-10" 2	2 x 5'-1"	3 x 4'-2"	1 x 7'-10"	2 x 5'-6"	3 x 4'-2"	1 x 10'-1"	2 x 7'-10"	3 x 6'-5"	1 x 10'-7"	2 x 8'-3"	3 x 6'-5"	1 x 11'-12"	2 x 8'-3"	3 x 6'-5"	1 x 12'-11"	2 x 9'-2"	3 x 6'
4.88 (16)	1 x 7'-10" 2	2 x 5'-1"	3 x 4'-2"	1 x 8'-3"	2 x 5'-6"	3 x 4'-7"	1 x 10'-1"	2 x 8'-3"	3 x 6'-11"	1 x 11'-0"	2 x 8'-9"	3 x 6'-11"	1 x 11'-12"	2 x 8'-3"	3 x 6'-11"	1 x 13'-4"	2 x 9'-2"	3 x 6'
in Floor Walls of Two Story ICF Struc	ture Supporting V	Wood Fran	me Floors	and Roof	(TYPE D)	· · · · · ·	V.			∇			V		1	V		16
	6" & 8	8" Thick W	/all	10" 8	& 12" Thick	Wall	6" 8	8" Thick	Nall	10" 8	& 12" Thick	Wall	6" 8	8" Thick \	Nall	10" 8	k 12" Thick	Wall
	Number and I	length of s	hear wall	s provided														
2.44 (8)	1 x 8'-3" 2	2 x 5'-1"	3 x 4'-2"	1 x 8'-3"	2 x 5'-1"	3 x 4'-2"	1 x 10'-1"	2 x 6'-5"	3 x 5'-1"	1 x 11'-0"	2 x 7'-4"	3 x 5'-6"	1 x 12'-11"	2 x 8'-3"	3 x 6'-5"	1 x 14'-9"	2 x 9'-2"	3 x 7
													1 x 13'-10"					
	1 x 8'-3" 2	2 x 5'-6"																
2.75 (9) 3.05 (10)	1 x 8'-3" 2 1 x 8'-9" 2					3 x 4'-7"	1 x 11'-12"	2 x 7'-10"	3 x 5'-12"	1 x 11'-12"	2 x 7'-10"	3 x 6'-5"	1 x 14'-3"	2 x 9'-8"	3 x 7'-4"	1 X 15 -8		
2.75 (9)		2 x 5'-12"	3 x 4'-7"	1 x 9'-2"	2 x 5'-12"								-	2 x 9'-8" 2 x 10'-1"				3 x 8
2.75 (9) 3.05 (10)	1 x 8'-9" 2	2 x 5'-12" 2 x 6'-5"	3 x 4'-7" 3 x 4'-7"	1 x 9'-2" 1 x 9'-8"	2 x 5'-12" 2 x 6'-5"	3 x 5'-1"	1 x 11'-12" 1 x 11'-12"	2 x 8'-3"	3 x 6'-5"	1 x 12'-5"	2 x 8'-3"	3 x 6'-5"	1 x 14'-9"	2 x 10'-1"	3 x 8'-3"	1 x 15'-8"	2 x 10'-1"	
2.75 (9) 3.05 (10) 3.66 (12)	1 x 8'-9" 2 1 x 9'-2" 2	2 x 5'-12" 2 x 6'-5" 2 x 6'-5"	3 x 4'-7" 3 x 4'-7" 3 x 5'-1"	1 x 9'-2" 1 x 9'-8" 1 x 10'-1"	2 x 5'-12" 2 x 6'-5" 2 x 6'-11"	3 x 5'-1" 3 x 5'-6"	1 x 11'-12" 1 x 11'-12" 1 x 11'-12"	2 x 8'-3" 2 x 8'-3"	3 x 6'-5" 3 x 6'-5"	1 x 12'-5" 1 x 13'-4"	2 x 8'-3" 2 x 8'-9"	3 x 6'-5" 3 x 7'-4"	1 x 14'-9" 1 x 14'-9"	2 x 10'-1" 2 x 10'-1"	3 x 8'-3" 3 x 8'-3"	1 x 15'-8" 1 x 16'-7"	2 x 10'-1" 2 x 11'-0"	3 x 9
2.75 (9) 3.05 (10) 3.66 (12) 4.27 (14)	1 x 8'-9" 2 1 x 9'-2" 2 1 x 9'-2" 2	2 x 5'-12" 2 x 6'-5" 2 x 6'-5" 2 x 6'-5" 2 x 6'-5"	3 x 4'-7" 3 x 4'-7" 3 x 5'-1"	1 x 9'-2" 1 x 9'-8" 1 x 10'-1" 1 x 10'-7"	2 x 5'-12" 2 x 6'-5" 2 x 6'-11"	3 x 5'-1" 3 x 5'-6"	1 x 11'-12" 1 x 11'-12" 1 x 11'-12"	2 x 8'-3" 2 x 8'-3"	3 x 6'-5" 3 x 6'-5"	1 x 12'-5" 1 x 13'-4" 1 x 13'-4"	2 x 8'-3" 2 x 8'-9"	3 x 6'-5" 3 x 7'-4"	1 x 14'-9" 1 x 14'-9"	2 x 10'-1" 2 x 10'-1"	3 x 8'-3" 3 x 8'-3" 3 x 8'-3"	1 x 15'-8" 1 x 16'-7"	2 x 10'-1" 2 x 11'-0"	3 x 9
2.75 (9) 3.05 (10) 3.66 (12) 4.27 (14) 4.88 (16)	1 x 8'-9" 2 1 x 9'-2" 2 1 x 9'-2" 2	2 x 5'-12" 2 x 6'-5" 2 x 6'-5" 2 x 6'-5"	3 x 4'-7" 3 x 4'-7" 3 x 5'-1" 3 x 5'-1"	1 x 9'-2" 1 x 9'-8" 1 x 10'-1" 1 x 10'-7" ble A.1.1.	2 x 5'-12" 2 x 6'-5" 2 x 6'-11"	3 x 5'-1" 3 x 5'-6"	1 x 11'-12" 1 x 11'-12" 1 x 11'-12"	2 x 8'-3" 2 x 8'-3"	3 x 6'-5" 3 x 6'-5" 3 x 6'-5" As per ta	1 x 12'-5" 1 x 13'-4" 1 x 13'-4"	2 x 8'-3" 2 x 8'-9"	3 x 6'-5" 3 x 7'-4"	1 x 14'-9" 1 x 14'-9"	2 x 10'-1" 2 x 10'-1"	3 x 8'-3" 3 x 8'-3" 3 x 8'-3" As per ta	1 x 15'-8" 1 x 16'-7" 1 x 16'-7"	2 x 10'-1" 2 x 11'-0"	3 x 9
2.75 (9) 3.05 (10) 3.66 (12) 4.27 (14) 4.88 (16) Vertical ICF with 6" Tie Specing	1 x 8'-9" 2 1 x 9'-2" 2 1 x 9'-2" 2 1 x 9'-2" 2	2 x 5'-12" 2 x 6'-5" 2 x 6'-5" 2 x 6'-5"	3 x 4'-7" 3 x 4'-7" 3 x 5'-1" 3 x 5'-1" As per ta	1 x 9'-2" 1 x 9'-8" 1 x 10'-1" 1 x 10'-7" ble A.1.1. ble A.1.2.	2 x 5'-12" 2 x 6'-5" 2 x 6'-11"	3 x 5'-1" 3 x 5'-6"	1 x 11'-12" 1 x 11'-12" 1 x 11'-12"	2 x 8'-3" 2 x 8'-3"	3 x 6'-5" 3 x 6'-5" 3 x 6'-5" As per ta	1 x 12'-5" 1 x 13'-4" 1 x 13'-4" ble A.1.1. ble A.1.2.	2 x 8'-3" 2 x 8'-9"	3 x 6'-5" 3 x 7'-4"	1 x 14'-9" 1 x 14'-9"	2 x 10'-1" 2 x 10'-1"	3 x 8'-3" 3 x 8'-3" 3 x 8'-3" As per ta	1 x 15'-8" 1 x 16'-7" 1 x 16'-7" ble A.1.1. ble A.1.2.	2 x 10'-1" 2 x 11'-0"	3 x 9

1. Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A.

2. This table is to be used in conjunction with the "Design Limitations."

3. Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in the rebar placement drawing.

4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.

Use Table A.6 for buildings that do not meet the required wall length of this table. 5.

Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail. 6.

All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required. 7.

Concentrated reinforcement is to be placed in accordance with Bar Placement Detail. 8

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Table A.5.2400. Above Grade Shear Wall Length for Seismic Zone Classification, S_{a,ICF} ≤ 0.16 and Hourly Wind Pressure, 0.5kPa < $q1/50 \le 0.75$ kPa (in a Building Without Walkout Basement), where Building Area ≤ 2400ft²

Wall Height m (ft)				Classification	-	
		_: ≤ 0.07	S _{a,ICF}	≤ 0.11	S _{a,ICF}	≤ 0.16
cond Floor Walls of Two Story ICF Str	ucture Supporting Wood Frame Ro				-	-
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)			1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 4'-2" 3 x 3'-3"	
2.75 (9)	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 3'-3"	1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 7'-10" 2 x 5'-1" 3 x 3'-
3.05 (10)	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 4'-2" 3 x 3'-3"	1 x 7'-4" 2 x 4'-2" 3 x 3'-3"	1 x 8'-3" 2 x 5'-6" 3 x 4'-2"	1 x 8'-3" 2 x 5'-6" 3 x 4
in Floor Walls of One Story ICF Struc	ture Supporting Wood Frame Roof					
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2
2.75 (9)	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 4'-2" 3 x 3
3.05 (10)	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 4'-7" 3 x 3'-3"	1 x 7'-4" 2 x 4'-7" 3 x 3
3.66 (12)	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 4'-2" 3 x 3'-3"	1 x 7'-4" 2 x 4'-2" 3 x 3'-3"	1 x 8'-3" 2 x 5'-6" 3 x 4'-2"	1 x 8'-3" 2 x 5'-6" 3 x 4
4.27 (14)	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 7'-4" 2 x 5'-1" 3 x 3'-8"	1 x 8'-7" 2 x 5'-6" 3 x 4'-7"	1 x 9'-2" 2 x 6'-5" 3 x 5
4.88 (16)	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 8'-3" 2 x 5'-6" 3 x 4'-2"	1 x 9'-2" 2 x 5'-12" 3 x 4'-7"	1 x 10'-1" 2 x 6'-11" 3 x 5
n Floor Walls of Two Story Structur	Supporting 2nd Story Wood Fram	ed Walls. Floor and Roof (TYPE (.)		•	•
,	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 7'-4" 2 x 4'-4" 3 x 3'-3"		1 x 8'-3" 2 x 5'-6" 3 x 4'-7"	1 x 8'-3" 2 x 5'-12" 3 x 4'-7"	1 x 10'-7" 2 x 6'-11" 3 x 5'-6"	1 x 10'-7" 2 x 6'-5" 3 x 5
2.75 (9)	1 x 7'-4" 2 x 4'-4" 3 x 3'-3"			1 x 9'-2" 2 x 6'-5" 3 x 4'-7"		
3.05 (10)	1 x 7'-4" 2 x 4'-8" 3 x 3'-8"	1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 9'-2" 2 x 6'-9" 3 x 5'-6"		1 x 11'-6" 2 x 7'-10" 3 x 5'-12"	
3.66 (12)		1 x 7'-10" 2 x 5'-1" 3 x 3'-9"				
4.27 (14)		1 x 7'-10" 2 x 5'-6" 3 x 4'-2"				
4.88 (16)		1 x 8'-3" 2 x 5'-6" 3 x 4'-7"				
	ture Supporting Wood Frame Floor					V
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa					
2.44 (8)		1 x 8'-3" 2 x 5'-1" 3 x 4'-2"	1 x 10'-1" 2 x 6'-11" 3 x 5'-6"	1 x 11'-0" 2 x 7'-4" 3 x 5'-6"	1 x 12'-11" 2 x 8'-3" 3 x 6'-5"	1 x 14'-9" 2 x 9'-2" 3 x 7
2.75 (9)		1 x 9'-2" 2 x 5'-12" 3 x 4'-7"				
3.05 (10)	1 x 8'-9" 2 x 5'-12" 3 x 4'-7"			1 x 11'-12" 2 x 7'-10" 3 x 6'-5"		
3.66 (12)	1 x 9'-2" 2 x 6'-5" 3 x 4'-7"			1 x 12'-5" 2 x 8'-3" 3 x 6'-5"		
4.27 (14)		1 x 10'-1" 2 x 6'-11" 3 x 5'-6"				
4.88 (16)		1 x 10'-7" 2 x 6'-11" 3 x 5'-6"				
Vertical ICF with 6" Tie Specing		able A.1.1.		ble A.1.1.		ble A.1.1.
nforcement ICF with 8" Tie Specing		able A.1.2.		ble A.1.2.		ble A.1.2.
Horizontal Block Height of 12" and			10 M @		10 M @	
inforcement Block Height of 16"	10 M @		10 M @		10 M @	
DTES:	10 M (c	9 400 (16)	10 M @	400 (10)	10 M @	400 (10)

Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A. 1.

This table is to be used in conjunction with the "Design Limitations." 2.

Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in З. the rebar placement drawing.

4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

6. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required. 7.

Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.

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Table A.6.2400. Above Grade Shear Wall Length for Seismic Zone Classification, Sa,ICF > 0.16 and Hourly Wind Pressure, q1/50 ≤ 1.05kPa (in a Building Without Walkout Basement), where Building Area ≤ 2400ft²

Wall Height m (ft)				Seismic Zone	Classification			
	Sa	_{UCF} ≤ 0.16	S _{A,ICF}	≤ 0.31	S _{A,ICF}	≤ 0.53	S _{a,ICF}	≤ 0.79
Second Floor Walls of Two Story ICF	tructure Supporting Wood Frame I	Roof (TYPE A)						
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear v	valls provided						
2.44 (8)	1 x 7'-4" 2 x 3'-8" 3 x 2'-	9" 1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 4'-7" 3 x 4'-0"	1 x 7'-4" 2 x 4'-7" 3 x 4'-0"	1 x 9'-2" 2 x 6'-5" 3 x 5'-6"	1 x 9'-2" 2 x 6'-5" 3 x 5'-6"	1 x 10'-1" 2 x 7'-4" 3 x 5'-6"	1 x 11'-0" 2 x 7'-4" 3 x 6'-5"
2.75 (9)	1 x 7'-4" 2 x 3'-8" 3 x 2'-	9" 1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 8'-3" 2 x 5'-6" 3 x 4'-6"	1 x 8'-3" 2 x 5'-6" 3 x 4'-6"	1 x 10'-1" 2 x 7'-4" 3 x 5'-12"	1 x 10'-7" 2 x 7'-4" 3 x 5'-12"	1 x 11'-12" 2 x 8'-3" 3 x 6'-5"	1 x 11'-12" 2 x 8'-3" 3 x 6'-5"
3.05 (10)	1 x 7'-4" 2 x 4'-7" 3 x 3'-	-3" 1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 9'-2" 2 x 5'-12" 3 x 5'-0"	1 x 9'-2" 2 x 5'-12" 3 x 5'-0"	1 x 11'-6" 2 x 7'-10" 3 x 6'-5"	1 x 11'-6" 2 x 7'-10" 3 x 6'-5"	1 x 12'-11" 2 x 9'-2" 3 x 7'-4"	1 x 12'-11" 2 x 9'-2" 3 x 7'-4"
Main Floor Walls of One Story ICF Str	ucture Supporting Wood Frame Ro	of (TYPE B)						
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear v	valls provided						
2.44 (8)	1 x 7'-4" 2 x 3'-8" 3 x 2'-		1 x 7'-4" 2 x 4'-7" 3 x 4'-0"	1 x 7'-4" 2 x 4'-7" 3 x 4'-0"	1 x 8'-3" 2 x 5'-6" 3 x 4'-2"		1 x 9'-2" 2 x 6'-5" 3 x 5'-1"	
2.75 (9)	1 x 7'-4" 2 x 3'-8" 3 x 2'-		1 x 7'-4" 2 x 4'-7" 3 x 4'-6"		1 x 9'-2" 2 x 6'-5" 3 x 4'-7"			
3.05 (10)	1 x 7'-4" 2 x 3'-8" 3 x 2'-		1 x 7'-4" 2 x 5'-6" 3 x 5'-0"	1 x 8'-3" 2 x 5'-6" 3 x 5'-0"	1 x 10'-1" 2 x 6'-5" 3 x 5'-6"			
3.66 (12)	1 x 7'-4" 2 x 4'-2" 3 x 3'-		1 x 8'-3" 2 x 6'-0"				1 x 12'-11" 2 x 9'-2" 3 x 7'-4"	
4.27 (14)	1 x 7'-4" 2 x 4'-7" 3 x 3'-		1 x 10'-1" 2 x 7'-0"				1 x 14'-9" 2 x 10'-1" 3 x 8'-3"	
4.88 (16)		8" 1 x 8'-3" 2 x 5'-6" 3 x 4'-7"		1 x 11'-0" 2 x 8'-0"	1 x 13'-10" 2 x 10'-1" 3 x 8'-0"	1 x 15'-8" 2 x 10'-7" 3 x 8'-3"	1 x 16'-7" 2 x 11'-12" 3 x 9'-2"	1 x 16'-7" 2 x 12'-11" 3 x 10'-1
Main Floor Walls of Two Story Struct								
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear v							
2.44 (8)		-7" 1 x 8'-3" 2 x 5'-6" 3 x 4'-7"						
2.75 (9)	1 x 8'-3" 2 x 5'-6" 3 x 4'- 1 x 9'-2" 2 x 5'-12" 3 x 4'-						1 x 16'-7" 2 x 11'-12" 3 x 9'-2"	
3.05 (10) 3.66 (12)	1 x 9'-2" 2 x 5'-12" 3 x 4'- 1 x 9'-2" 2 x 6'-5" 3 x 5'-			1 x 13'-10" 2 x 9'-2" 3 x 7'-4"		1 x 15'-8" 2 x 11'-0" 3 x 9'-2"	1 x 17'-6" 2 x 11'-12" 3 x 10'-1" 1 x 19'-4" 2 x 12'-11" 3 x 11'-0"	
4.27 (14)	1 x 10'-1" 2 x 6'-11" 3 x 5'-							
4.27 (14)		-6" 1 x 10'-1" 2 x 6'-11" 3 x 5'-6"						
Main Floor Walls of Two Story ICF Str			1414 5 2411 0 545 2	1014 5 [2011 6] 505 2	1415 4 1411 11 5410 1	1110 3 [1113 10]3111 11		
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear v							
2.44 (8)		1" 1 x 11'-0" 2 x 6'-11" 3 x 5'-6"	1 x 14'-9" 2 x 10'-1" 3 x 7'-10"	1 x 15'-8" 2 x 10'-1" 3 x 8'-3"	1 x 17'-6" 2 x 12'-5" 3 x 10'-1"	1 x 18'-5" 2 x 12'-11" 3 x 10'-1'	1 x 19'-4" 2 x 13'-10" 3 x 11'-0"	1 x 20'-4" 2 x 14'-9" 3 x 11'-12
2.75 (9)	1 x 11'-0" 2 x 7'-4" 3 x 5'-	6" 1 x 11'-0" 2 x 7'-4" 3 x 5'-12"	1 x 15'-8" 2 x 11'-0" 3 x 8'-3"				1 x 20'-3" 2 x 14'-9" 3 x 11'-6"	
3.05 (10)	1 x 11'-0" 2 x 7'-4" 3 x 5'-'	12" 1 x 11'-12" 2 x 7'-10" 3 x 5'-12"	1 x 16'-7" 2 x 11'-0" 3 x 8'-3"	1 x 16'-7" 2 x 11'-0" 3 x 9'-2"	1 x 19'-4" 2 x 13'-10" 3 x 11'-0"	1 x 20'-3" 2 x 13'-10" 3 x 11'-0'	1 x 21'-2" 2 x 15'-8" 3 x 11'-12"	1 x 22'-1" 2 x 16'-7" 3 x 12'-11
3.66 (12)	1 x 11'-0" 2 x 7'-10" 3 x 6'-	5" 1 x 12'-11" 2 x 9'-2" 3 x 6'-11"	1 x 17'-6" 2 x 11'-0" 3 x 9'-2"	1 x 18'-5" 2 x 12'-5" 3 x 10'-1"	1 x 21'-2" 2 x 14'-9" 3 x 11'-12	1 x 21'-2" 2 x 14'-9" 3 x 11'-12	1 x 23'-0" 2 x 17'-6" 3 x 12'-11"	1 x 23'-11" 2 x 17'-6" 3 x 13'-10
4.27 (14)	1 x 11'-12" 2 x 8'-3" 3 x 6'-	5" 1 x 12'-3" 2 x 9'-2" 3 x 6'-11"	1 x 17'-6" 2 x 11'-12" 3 x 10'-1"	1 x 18'-5" 2 x 12'-5" 3 x 10'-1"	1 x 22'-1" 2 x 15'-8" 3 x 12'-11	1 x 23'-0" 2 x 15'-9" 3 x 12'-11	1 x 24'-10" 2 x 18'-5" 3 x 13'-10"	1 x 25'-9" 2 x 19'-4" 3 x 14'-9
4.88 (16)		5" 1 x 12'-11" 2 x 9'-2" 3 x 7'-4"	1 x 17'-6" 2 x 11'-12" 3 x 10'-1"	1 x 18'-5" 2 x 12'-11" 3 x 10'-1"	1 x 22'-1" 2 x 15'-8" 3 x 12'-11	1 x 24'-5" 2 x 17'-6" 3 x 13'-10	1 x 26'-0" 2 x 20'-3" 3 x 14'-9"	1 x 27'-0" 2 x 20'-3" 3 x 15'-8
Vertical ICF with 6" Tie Specie		r table A.2.1.		able A.2.1.	As per ta	able A.2.1.	As per ta	ble A.2.1.
Reinforcement ICF with 8" Tie Specie		r table A.2.2.		able A.2.2.		able A.2.2.		ble A.2.2.
Horizontal Block Height of 12" a		r table A.2.1.		able A.2.1.		able A.2.1.	As per ta	
Reinforcement Block Height of 16"	As pe	r table A.2.2.	As per ta	able A.2.2.	As per ta	able A.2.2.	As per ta	ble A.2.2.

NOTES:

Sa.ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A. 1.

This table is to be used in conjunction with the "Design Limitations." 2.

Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in 3. the rebar placement drawing.

All four sides of the building are to have a minimum number and length of shear walls that conforms to this table. 4.

Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail. 5.

6. 7. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.

Concentrated reinforcement is to be placed in accordance with Bar Placement Detail. 8.

Horizontal reinforcement in shear walls where Salor > 0.16 must be anchored using a standard 180° hook around vertical end bars. 9. When using this table for $S_{a,ICF} \le 0.16$, use the vertical and horizontal distributed steel in Tables A.2.1. or A.2.2.





Table A.7.2400. Above Grade Shear Wall Length for Seismic Zone Classification, $S_{a,ICF} \le 0.16$ and Hourly Wind Pressure, $q1/50 \le 0.5$ kPa (<u>in a Building With Walk Basement</u>), where Building Area ≤ 2400 ft²

Wall Height m (ft)			Seismic Zone			
		≤ 0.07	S _{a,ICF}	≤ 0.11	S _{a,ICF}	≤ 0.16
d Floor Walls of Two Story ICF Struc						
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal					
2.44 (8)		1 x 7'-4" 2 x 3'-8" 3 x 2'-8"		1 x 7'-4" 2 x 3'-8" 3 x 2'-9"		
2.75 (9)			1 x 7'-4" 2 x 3'-8" 3 x 2'-9"			
3.05 (10)			1 x 7'-4" 2 x 4'-4" 3 x 3'-3"	1 x 7'-4" 2 x 4'-7" 3 x 3'-3"	1 x 8'-9" 2 x 5'-6" 3 x 4'-7"	1 x 9'-8" 2 x 5'-10" 3 x 4
loor Walls of One Story ICF Structu	e Supporting Wood Frame Roof	(TYPE F)				
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	lls provided				
2.44 (8)	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 4'-2" 3 x 3
2.75 (9)	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 4'-2" 3 x 3'-3"	1 x 7'-10" 2 x 4'-7" 3 x 3
3.05 (10)	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 4'-2" 3 x 3'-3"	1 x 7'-4" 2 x 4'-2" 3 x 3'-3"	1 x 7'-10" 2 x 5'-1" 3 x 3'-12"	1 x 8'-9" 2 x 5'-3" 3 x 3'
3.66 (12)	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-10" 2 x 5'-1" 3 x 3'-12"	1 x 7'-10" 2 x 5'-1" 3 x 3'-12"	1 x 9'-8" 2 x 6'-5" 3 x 5'-1"	1 x 10'-1" 2 x 6'-5" 3 x 5
4.27 (14)	1 x 7'-4" 2 x 4'-2" 3 x 3'-8"	1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 9'-2" 2 x 5'-6" 3 x 4'-4"	1 x 9'-8" 2 x 6'-5" 3 x 4'-11"	1 x 10'-7" 2 x 6'-11" 3 x 5'-6"	1 x 11'-6" 2 x 7'-8" 3 x 5'
4.88 (16)	1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 8'-3" 2 x 5'-1" 3 x 4'-2"	1 x 9'-2" 2 x 5'-12" 3 x 4'-7"	1 x 10'-1" 2 x 6'-11" 3 x 5'-3"	1 x 11'-0" 2 x 7'-4" 3 x 5'-12"	1 x 12'-11" 2 x 8'-7" 3 x 6
loor Walls of Two Story Structure S	upporting 2nd Story Wood Fram	ed Walls, Floor and Roof (TYPE (G)			
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	lls provided				
2.44 (8)	1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 9'-2" 2 x 5'-6" 3 x 4'-7"	1 x 9'-2" 2 x 5'-12" 3 x 4'-7"	1 x 11'-6" 2 x 7'-4" 3 x 5'-6"	1 x 11'-12" 2 x 7'-4" 3 x 5'
2.75 (9)	1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 9'-8" 2 x 5'-12" 3 x 4'-7"	1 x 10'-1" 2 x 6'-5" 3 x 4'-7"	1 x 12'-5" 2 x 7'-10" 3 x 5'-12"	1 x 12'-7" 2 x 8'-3" 3 x 6
3.05 (10)	1 x 7'-10" 2 x 5'-1" 3 x 3'-12"	1 x 7'-10" 2 x 5'-1" 3 x 3'-12"	1 x 10'-7" 2 x 6'-9" 3 x 5'-6"	1 x 10'-7" 2 x 6'-9" 3 x 5'-6"	1 x 12'-11" 2 x 8'-7" 3 x 6'-9"	1 x 13'-4" 2 x 8'-7" 3 x 6
3.66 (12)	1 x 8'-7" 2 x 5'-10" 3 x 4'-7"	1 x 8'-7" 2 x 5'-10" 3 x 4'-7"	1 x 11'-4" 2 x 7'-8" 3 x 5'-12"	1 x 11'-4" 2 x 7'-8" 3 x 5'-12"	1 x 13'-10" 2 x 9'-6" 3 x 7'-4"	1 x 13'-10" 2 x 9'-6" 3 x 7
4.27 (14)	1 x 8'-11" 2 x 5'-12" 3 x 4'-11"	1 x 9'-6" 2 x 6'-5" 3 x 4'-11"	1 x 11'-8" 2 x 7'-10" 3 x 6'-5"	1 x 12'-5" 2 x 8'-3" 3 x 6'-5"	1 x 14'-3" 2 x 9'-8" 3 x 7'-10"	1 x 15'-0" 2 x 10'-5" 3 x 8
4.88 (16)	1 x 9'-2" 2 x 6'-5" 3 x 5'-1"	1 x 10'-1" 2 x 6'-9" 3 x 5'-3"	1 x 11'-12" 2 x 8'-3" 3 x 6'-11"	1 x 12'-11" 2 x 8'-9" 3 x 6'-11"	1 x 14'-3" 2 x 9'-8" 3 x 7'-10"	1 x 15'-8" 2 x 10'-7" 3 x 8
loor Walls of Two Story ICF Structu	re Supporting Wood Frame Floor	s and Roof (TYPE H)	v i vi	V i V	V V	V V
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	lls provided				
2.44 (8)	1 x 8'-7" 2 x 5'-6" 3 x 4'-2"	1 x 9'-2" 2 x 5'-10" 3 x 4'-7"	1 x 11'-6" 2 x 7'-4" 3 x 5'-6"	1 x 12'-3" 2 x 7'-10" 3 x 5'-12"	1 x 14'-9" 2 x 9'-2" 3 x 7'-4"	1 x 15'-2" 2 x 10'-1" 3 x 7'
2.75 (9)	1 x 8'-11" 2 x 5'-12" 3 x 4'-4"	1 x 10'-1" 2 x 5'-12" 3 x 4'-7"	1 x 11'-12" 2 x 7'-8" 3 x 5'-12"	1 x 12'-11" 2 x 8'-3" 3 x 6'-5"	1 x 15'-2" 2 x 10'-1" 3 x 7'-10"	1 x 16'-1" 2 x 10'-7" 3 x 8
3.05 (10)	1 x 9'-6" 2 x 5'-12" 3 x 4'-7"	1 x 10'-1" 2 x 6'-5" 3 x 5'-1"	1 x 12'-7" 2 x 8'-3" 3 x 6'-5"	1 x 13'-10" 2 x 8'-9" 3 x 6'-11"	1 x 16'-1" 2 x 10'-7" 3 x 8'-3"	1 x 17'-0" 2 x 11'-0" 3 x 8
3.66 (12)	1 x 10'-7" 2 x 6'-11" 3 x 5'-6"	1 x 10'-7" 2 x 6'-11" 3 x 5'-6"	1 x 13'-4" 2 x 9'-2" 3 x 7'-1"	1 x 13'-10" 2 x 9'-2" 3 x 7'-1"	1 x 16'-7" 2 x 11'-4" 3 x 8'-11"	1 x 17'-6" 2 x 11'-4" 3 x 8'
4.27 (14)	1 x 10'-7" 2 x 7'-4" 3 x 5'-12"	1 x 11'-6" 2 x 7'-10" 3 x 6'-5"	1 x 13'-10" 2 x 9'-2" 3 x 7'-4"	1 x 15'-2" 2 x 10'-1" 3 x 8'-3"	1 x 16'-10" 2 x 11'-6" 3 x 9'-2"	1 x 19'-4" 2 x 12'-5" 3 x 10
			1 x 13'-10" 2 x 9'-2" 3 x 7'-4"			
4.88 (16)	As ner ta	able A.1.1.	As per tal	ble A.1.1.	As per tal	ble A.1.1.
						ble A.1.2.
		able A.1.2.	As per tab	ble A.1.2.	As per tai	
ertical ICF with 6" Tie Specing	As per ta		As per tal 10 M @	450 (18)	As per tai 10 M @	450 (18)

1. $S_{a,ICF}$ is equivalent spectral response acceleration for ICF walls as provided in Appendix A.

2. This table is to be used in conjunction with the "Design Limitations."

3. Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in the rebar placement drawing.

4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

6. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.

8. Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.





Table A.8.2400. Above Grade Shear Wall Length for Seismic Zone Classification, $S_{a,ICF} \le 0.16$ and Hourly Wind Pressure, $0.5kPa < q1/50 \le 0.75kPa$ (in a Building With Walkout Basement), where Building Area ≤ 2400 ft²

Wall Height m (ft)				e Classification		
		_F ≤ 0.07	S _{a,ICF}	≤ 0.11	S _{a,ICF}	≤ 0.16
nd Floor Walls of Two Story ICF Str					.	
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
· · · · · · · · · · · · · · · · · · ·	Number and length of shear wa				· · · · · · · · · · · · · · · · · · ·	
2.44 (8)					1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	
2.75 (9)					1 x 7'-10" 2 x 4'-11" 3 x 3'-12"	
3.05 (10)			1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 7'-4" 2 x 4'-7" 3 x 3'-3"	1 x 9'-2" 2 x 5'-12" 3 x 4'-7"	1 x 9'-8" 2 x 5'-10" 3 x -
Floor Walls of One Story ICF Struc		<u> </u>	T	1		
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa					
2.44 (8)			1 x 7'-4" 2 x 3'-8" 3 x 2'-9"		1 x 7'-4" 2 x 4'-2" 3 x 3'-1"	
2.75 (9)					1 x 7'-4" 2 x 4'-2" 3 x 3'-3"	
3.05 (10)					1 x 8'-3" 2 x 5'-6" 3 x 4'-2"	
3.66 (12)					1 x 9'-8" 2 x 6'-5" 3 x 5'-1"	
4.27 (14)					1 x 10'-7" 2 x 6'-11" 3 x 5'-6"	
4.88 (16)				1 x 10'-1" 2 x 6'-11" 3 x 5'-3"	1 x 11'-0" 2 x 7'-4" 3 x 5'-12"	1 x 12'-11" 2 x 8'-7" 3 x
Floor Walls of Two Story Structur	Supporting 2nd Story Wood Fram					
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wal
	Number and length of shear wa					
2.44 (8)					1 x 11'-12" 2 x 7'-10" 3 x 5'-12"	
2.75 (9)					1 x 12'-5" 2 x 7'-10" 3 x 5'-12"	
3.05 (10)					1 x 13'-2" 2 x 8'-9" 3 x 6'-9"	
3.66 (12)					1 x 13'-10" 2 x 9'-6" 3 x 7'-4"	
4.27 (14)					1 x 14'-3" 2 x 9'-8" 3 x 7'-10"	
4.88 (16)	1 x 9'-2" 2 x 6'-5" 3 x 5'-1"	1 x 10'-1" 2 x 6'-9" 3 x 5'-3"	1 x 11'-12" 2 x 8'-3" 3 x 6'-11"	1 x 12'-11" 2 x 8'-9" 3 x 6'-11"	1 x 14'-3" 2 x 9'-8" 3 x 7'-10"	1 x 15'-8" 2 x 10'-7" 3 x
Floor Walls of Two Story ICF Struc	ure Supporting Wood Frame Floor	s and Roof (TYPE H)	N V	\sim \sim		
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wal
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 8'-7" 2 x 5'-6" 3 x 4'-4"				1 x 14'-9" 2 x 9'-2" 3 x 7'-2"	
2.75 (9)	1 x 8'-11" 2 x 5'-12" 3 x 4'-4"	1 x 10'-1" 2 x 5'-12" 3 x 4'-7"	1 x 11'-12" 2 x 7'-8" 3 x 5'-12"	1 x 12'-11" 2 x 8'-3" 3 x 6'-5"	1 x 15'-2" 2 x 10'-1" 3 x 7'-10"	1 x 16'-1" 2 x 10'-7" 3 x
3.05 (10)					1 x 16'-1" 2 x 10'-7" 3 x 8'-3"	
3.66 (12)	1 x 10'-7" 2 x 6'-11" 3 x 5'-6"	1 x 10'-7" 2 x 7'-1" 3 x 5'-6"	1 x 13'-4" 2 x 9'-2" 3 x 7'-1"	1 x 13'-10" 2 x 9'-2" 3 x 7'-4"	1 x 16'-7" 2 x 11'-4" 3 x 8'-11"	1 x 17'-6" 2 x 11'-6" 3 x
4.27 (14)	1 x 10'-7" 2 x 7'-4" 3 x 5'-12	1 x 11'-6" 2 x 7'-10" 3 x 6'-5"	1 x 13'-10" 2 x 9'-2" 3 x 7'-4"	1 x 15'-2" 2 x 10'-1" 3 x 8'-3"	1 x 16'-10" 2 x 11'-6" 3 x 9'-2"	1 x 19'-4" 2 x 12'-5" 3 x 1
4.88 (16)	1 x 10'-7" 2 x 7'-4" 3 x 5'-12	1 x 11'-12" 2 x 8'-3" 3 x 6'-5"	1 x 13'-10" 2 x 9'-2" 3 x 7'-4"	1 x 16'-1" 2 x 11'-0" 3 x 8'-3"	1 x 16'-10" 2 x 11'-6" 3 x 9'-2"	1 x 19'-4" 2 x 13'-2" 3 x 3
/ertical ICF with 6" Tie Specing	As per t	able A.1.1.	As per ta	able A.1.1.	As per tal	ble A.1.1.
forcement ICF with 8" Tie Specing	As per t	able A.1.2.	As per ta	able A.1.2.	As per tal	ble A.1.2.
orizontal Block Height of 12" and	18" 10 M @	p 450 (18)	10 M @	450 (18)	10 M @	450 (18)
forcement Block Height of 16"	10 M @	400 (16)		400 (16)	10 M @	400 (16)

1. $S_{a,ICF}$ is equivalent spectral response acceleration for ICF walls as provided in Appendix A.

This table is to be used in conjunction with the "Design Limitations."

3. Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in the rebar placement drawing.

4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

6. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

7. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.

8. Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.





Table A.9.2400. Above Grade Shear Wall Length for Seismic Zone Classification, $S_{a,ICF} \le 0.16$ and Hourly Wind Pressure, $0.75kPa < q1/50 \le 1.05kPa$ (<u>in a Building With Walkout Basement</u>), where Building Area $\le 2400ft^2$

Wall Height m (ft)				Classification		
		_F ≤ 0.07	S _{a,ICF}	≤ 0.11	S _{a,ICF}	≤ 0.16
cond Floor Walls of Two Story ICF Stru	cture Supporting Wood Frame Ro	of (TYPE E)				
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 7'-4" 2 x 4'-7" 3 x 3'
2.75 (9)	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-12" 3 x 3'-1"	1 x 7'-4" 2 x 4'-4" 3 x 3'-3"	1 x 7'-10" 2 x 4'-11" 3 x 3'-12"	1 x 8'-7" 2 x 5'-6" 3 x 4'
3.05 (10)	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 x 7'-4" 2 x 4'-7" 3 x 3'-4"	1 x 9'-2" 2 x 5'-12" 3 x 4'-7"	1 x 9'-8" 2 x 5'-10" 3 x 4
in Floor Walls of One Story ICF Struct	re Supporting Wood Frame Roof	(TYPE F)		•	•	
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)		1 x 7'-4" 2 x 3'-8" 3 x 2'-8"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 7'-4" 2 x 4'-2" 3 x 3'-1"	1 x 7'-4" 2 x 4'-2" 3 x 3
2.75 (9)		1 x 7'-4" 2 x 3'-8" 3 x 2'-8"				
3.05 (10)		1 x 7'-4" 2 x 3'-8" 3 x 2'-8"		1 x 7'-4" 2 x 4'-2" 3 x 3'-3"		
3.66 (12)		1 x 7'-4" 2 x 3'-12" 3 x 3'-1"				
4.27 (14)		1 x 7'-4" 2 x 4'-7" 3 x 3'-8"				
4.88 (16)		1 x 8'-3" 2 x 5'-1" 3 x 4'-2"				
ain Floor Walls of Two Story Structure					1411 0 247 4 545 12	
In Floor Walls of Two Story Structure	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa		6 & 8 THICK Wall	10 & 12 Thick Wall		10 & 12 THICK Wall
2 44 (9)		1 x 7'-4" 2 x 4'-7" 3 x 3'-8"	1 01	1 01 21 2 51 121 2 41 71	1 111 121 2 71 101 2 51 121	1 11 1 1 2 71 41 2 51
2.44 (8) 2.75 (9)		1 x 7'-8" 2 x 4'-11" 3 x 3'-8"				
		1 x 7'-10" 2 x 5'-1" 3 x 3'-12"				
3.05 (10)		1 x 7'-10" 2 x 5'-1" 3 x 3'-12" 1 x 8'-7" 2 x 5'-10" 3 x 4'-7"				
3.66 (12)						
4.27 (14)		" 1 x 9'-6" 2 x 6'-5" 3 x 4'-11"				
4.88 (16)		1 x 10'-1" 2 x 6'-9" 3 x 5'-3"	1 x 11-12 2 x 8-3 3 x 6-11	1 x 12-11 2 x 8-9 3 x 6-11	1 x 14-3" 2 x 9-8" 3 x 7-10"	1 x 15 -8" 2 x 10 -7" 3 x 8
in Floor Walls of Two Story ICF Struct			V		V	V
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa		· · · · · · · · · · · · · · · · · · ·			
2.44 (8)		1 x 9'-2" 2 x 5'-10" 3 x 4'-7"				
2.75 (9)		1 x 10'-1" 2 x 6'-5" 3 x 4'-11"				
3.05 (10)		1 x 10'-1" 2 x 6'-5" 3 x 5'-1"				
3.66 (12)		1 x 10'-7" 2 x 7'-1" 3 x 5'-6"				
4.27 (14)		" 1 x 11'-6" 2 x 7'-10" 3 x 6'-5"				
4.88 (16)		" 1 x 11'-12" 2 x 8'-3" 3 x 6'-5"				
Vertical ICF with 6" Tie Specing		able A.1.1.	As per ta	able A.1.1.	As per ta	ble A.1.1.
teinforcement ICF with 8" Tie Specing		able A.1.2.	As per ta	able A.1.2.	As per ta	ble A.1.2.
Horizontal Block Height of 12" and 2	.8" 10 M @	p 450 (18)	10 M @	450 (18)	10 M @	450 (18)

1. $S_{a,ICF}$ is equivalent spectral response acceleration for ICF walls as provided in Appendix A.

2. This table is to be used in conjunction with the "Design Limitations."

3. Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in the rebar placement drawing.

4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

6. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

7. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.

8. Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.





Table A.10.2400. Above Grade Shear Wall Length for Seismic Zone Classification, Sa,ICF > 0.16 and Hourly Wind Pressure, q1/50 ≤ 1.05kPa (in a Building With Walkout Basement), where Building Area ≤ 2400ft²

Wall Hei	ight m (ft)					Seismic Zone	Classification			
			Salice	≤ 0.16	Sale	≤ 0.31	Sale	≤ 0.53	Sale	≤ 0.79
ond Floor Walls o	of Two Story ICF Structur	e Supporting Wood	Frame Roo	f (TYPE E)						
		6" & 8" Thick \		10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
		Number and length of	shear wall	s provided						
2.44 (8)		1 x 7'-4" 2 x 3'-8"	3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9"	1 x 8'-3" 2 x 5'-6" 3 x 4'-2"	1 x 8'-3" 2 x 5'-6" 3 x 4'-2"	1 x 10'-1" 2 x 6'-11" 3 x 5'-6"	1 x 10'-7" 2 x 7'-4" 3 x 5'-10"	1 x 11'-6" 2 x 7'-10" 3 x 6'-5"	1 x 11'-6" 2 x 8'-3" 3 x 6
2.75 (9)		1 x 7'-4" 2 x 4'-2"	3 x 3'-3"	1 x 7'-4" 2 x 4'-2" 3 x 3'-3	1 x 9'-2" 2 x 6'-5" 3 x 4'-7"	1 x 9'-2" 2 x 6'-5" 3 x 5'-1"	1 x 11'-6" 2 x 7'-10" 3 x 6'-5"	1 x 11'-6" 2 x 8'-3" 3 x 6'-5"	1 x 12'-5" 2 x 8'-9" 3 x 6'-11"	1 x 12'-11" 2 x 9'-2" 3 x 7
3.05 (10						1 x 10'-7" 2 x 7'-4" 3 x 5'-6"				
n Floor Walls of	One Story ICF Structure	upporting Wood Fra	ame Roof (TYPE F)						
		6" & 8" Thick \	Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
		Number and length of	shear wall	s provided						
2.44 (8)		1 x 7'-4" 2 x 3'-8"	3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9	1 x 8'-3" 2 x 4'-7" 3 x 4'-0"	1 x 8'-3" 2 x 5'-1" 3 x 4'-0"	1 x 9'-2" 2 x 6'-5" 3 x 5'-1"	1 x 9'-8" 2 x 6'-5" 3 x 5'-1"	1 x 10'-1" 2 x 7'-4" 3 x 5'-12"	1 x 11'-0" 2 x 7'-4" 3 x 5"
2.75 (9)		1 x 7'-4" 2 x 3'-8"	3 x 2'-9"	1 x 7'-4" 2 x 3'-8" 3 x 2'-9	1 x 8'-3" 2 x 5'-6" 3 x 4'-6"	1 x 9'-2" 2 x 5'-6" 3 x 4'-6"	1 x 10'-7" 2 x 7'-4" 3 x 5'-6"	1 x 10'-7" 2 x 7'-4" 3 x 5'-12"	1 x 11'-6" 2 x 8'-3" 3 x 6'-5"	1 x 11'-12" 2 x 8'-3" 3 x 6
3.05 (10))	1 x 7'-4" 2 x 4'-2"	3 x 3'-3"	1 x 7'-4" 2 x 4'-7" 3 x 3'-3'	1 x 9'-2" 2 x 6'-5" 3 x 5'-0"	1 x 10'-1" 2 x 6'-5" 3 x 5'-1"	1 x 11'-6" 2 x 7'-10" 3 x 6'-5"	1 x 11'-12" 2 x 8'-3" 3 x 6'-5"	1 x 12'-11" 2 x 9'-2" 3 x 7'-4"	1 x 13'-4" 2 x 9'-2" 3 x 7
3.66 (12	2)	1 x 7'-4" 2 x 4'-11"	3 x 3'-12"	1 x 8'-9" 2 x 5'-10" 3 x 4'-7	1 x 10'-1" 2 x 6'-11" 3 x 6'-0"	1 x 12'-5" 2 x 8'-3" 3 x 6'-5"	1 x 13'-10" 2 x 9'-8" 3 x 7'-10"	1 x 14'-3" 2 x 9'-8" 3 x 7'-10"	1 x 15'-8" 2 x 10'-7" 3 x 8'-9"	1 x 15'-8" 2 x 11'-0" 3 x 8
4.27 (14	1)	1 x 8'-3" 2 x 5'-10"	3 x 4'-7"	1 x 8'-9" 2 x 5'-12" 3 x 4'-7	1 x 11'-12" 2 x 8'-3" 3 x 7'-0"	1 x 12'-5" 2 x 8'-3" 3 x 7'-0"	1 x 16'-1" 2 x 11'-0" 3 x 8'-9"	1 x 16'-7" 2 x 11'-6" 3 x 9'-2"	1 x 17'-6" 2 x 12'-5" 3 x 10'-1"	1 x 18'-5" 2 x 12'-11" 3 x 1
4.88 (16	5)	1 x 8'-9" 2 x 5'-12"	3 x 4'-7"	1 x 9'-8" 2 x 6'-9" 3 x 5'-3'	1 x 12'-5" 2 x 8'-3" 3 x 8'-0"	1 x 14'-0" 2 x 9'-8" 3 x 8'-0"	1 x 17'-6" 2 x 11'-6" 3 x 9'-2"	1 x 18'-10" 2 x 12'-11" 3 x 10'-7"	1 x 20'-3" 2 x 13'-10" 3 x 11'-0"	1 x 21'-2" 2 x 14'-9" 3 x 11
n Floor Walls of	Two Story Structure Sup	porting 2nd Story W	ood Frame	ed Walls, Floor and Roof (TYPE	G)					
		6" & 8" Thick \	Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
		Number and length of	shear wall	s provided						
2.44 (8)		1 x 9'-2" 2 x 5'-12"	3 x 4'-7"	1 x 9'-2" 2 x 5'-12" 3 x 4'-7	1 x 12'-11" 2 x 8'-9" 3 x 6'-11"	1 x 12'-11" 2 x 8'-9" 3 x 6'-11"	1 x 17'-6" 2 x 11'-12" 3 x 10'-1"	1 x 17'-6" 2 x 11'-12" 3 x 10'-1"	1 x 18'-5" 2 x 12'-11" 3 x 11'-0"	1 x 18'-5" 2 x 12'-11" 3 x 1
2.75 (9)		1 x 10'-1" 2 x 6'-5"	3 x 5'-6"	1 x 10'-1" 2 x 6'-5" 3 x 5'-6'	1 x 13'-10" 2 x 9'-2" 3 x 7'-4"	1 x 13'-10" 2 x 9'-2" 3 x 7'-4"	1 x 18'-10"2 x 12'-11" 3 x 10'-1"	1 x 18'-10" 2 x 12'-11" 3 x 10'-1"	1 x 18'-5" 2 x 12'-11" 3 x 11'-0"	1 x 18'-5" 2 x 12'-11" 3 x 1
3.05 (10	0)	1 x 10'-1" 2 x 6'-11"	3 x 5'-6"	1 x 10'-1" 2 x 6'-11" 3 x 5'-6'	1 x 14'-9" 2 x 10'-1" 3 x 7'-10	1 x 15'-8" 2 x 10'-1" 3 x 7'-10"	1 x 19'-9" 2 x 13'-4" 3 x 10'-7"	1 x 19'-9" 2 x 13'-4" 3 x 10'-7"	1 x 20'-3" 2 x 13'-10" 3 x 11'-0"	1 x 20'-3" 2 x 13'-10" 3 x 1
3.66 (12	2)	1 x 10'-7" 2 x 7'-4"	3 x 5'-12"	1 x 11'-12" 2 x 8'-3" 3 x 6'-5	1 x 14'-9" 2 x 10'-7" 3 x 8'-3"	1 x 17'-0" 2 x 11'-6" 3 x 9'-2"	1 x 19'-9" 2 x 13'-10" 3 x 11'-0"	1 x 19'-9" 2 x 13'-10" 3 x 11'-0"	1 x 22'-1" 2 x 15'-2" 3 x 12'-11	1 x 22'-1" 2 x 15'-2" 3 x 12
4.27 (14	4)	1 x 11'-6" 2 x 7'-10"	3 x 6'-5"	1 x 11'-12" 2 x 8'-3" 3 x 6'-5	1 x 16'-1" 2 x 11'-0" 3 x 9'-2"	1 x 17'-0" 2 x 11'-6" 3 x 9'-2"	1 x 22'-1" 2 x 15'-2" 3 x 11'-12	1 x 22'-1" 2 x 15'-2" 3 x 11'-12	1 x 23'-11" 2 x 16'-7" 3 x 13'-10	1 x 23'-11" 2 x 16'-7" 3 x 13
4.88 (16	5)	1 x 11'-6" 2 x 7'-10"	3 x 6'-5"	1 x 12'-5" 2 x 8'-3" 3 x 6'-11	" 1 x 16'-1" 2 x 11'-0" 3 x 9'-2"	1 x 17'-6" 2 x 11'-12" 3 x 9'-8"	1 x 22'-1" 2 x 15'-2" 3 x 11'-12	1 x 23'-11" 2 x 16'-7" 3 x 13'-4"	1 x 25'-9" 2 x 18'-5" 3 x 14'-9"	1 x 26'-8" 2 x 18'-5" 3 x 14
n Floor Walls of	Two Story ICF Structure	Supporting Wood Fra	ame Floors	and Roof (TYPE H)						
		6" & 8" Thick \	Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
		Number and length of	shear wall	s provided						
2.44 (8)		1 x 11'-0" 2 x 7'-4"	3 x 5'-12"	1 x 11'-6" 2 x 7'-10" 3 x 5'-12	" 1 x 15'-8" 2 x 11'-0" 3 x 8'-3"	1 x 16'-7" 2 x 11'-0" 3 x 8'-9"	1 x 19'-4" 2 x 13'-10" 3 x 11'-0"	1 x 20'-3" 2 x 13'-10" 3 x 11'-0"	1 x 21'-2" 2 x 14'-9" 3 x 12'-11	1 x 22'-1" 2 x 15'-8" 3 x 12
2.75 (9)		L x 11'-12" 2 x 8'-3"	3 x 6'-5"	1 x 11'-12" 2 x 8'-3" 3 x 6'-5"	1 x 16'-7" 2 x 11'-12" 3 x 9'-2"	1 x 18'-5" 2 x 11'-12" 3 x 9'-2"	1 x 20'-3" 2 x 13'-10" 3 x 11'-12	1 x 21'-2" 2 x 14'-9" 3 x 11'-12	1 x 22'-1" 2 x 15'-8" 3 x 12'-11	1 x 23'-0" 2 x 16'-7" 3 x 12
3.05 (10) 7 (L x 12'-11" 2 x 8'-3"	3 x 6'-5"	1 x 12'-11" 2 x 9'-2" 3 x 6'-11	" 1 x 17'-6" 2 x 11'-12" 3 x 10'-1	1 x 18'-5" 2 x 12'-11" 3 x 10'-1"	1 x 21'-2" 2 x 14'-9" 3 x 11'-12	1 x 22'-1" 2 x 15'-8" 3 x 12'-11	1 x 23'-11" 2 x 16'-7" 3 x 13'-10	1 x 24'-10" 2 x 17'-6" 3 x 13
3.66 (12	2)	L x 12'-11" 2 x 8'-9"	3 x 6'-11"	1 x 14'-9" 2 x 10'-1" 3 x 7'-10	" 1 x 18'-5" 2 x 11'-12" 3 x 10'-1"	1 x 21'-2" 2 x 14'-9" 3 x 11'-6"	1 x 23'-0" 2 x 16'-7" 3 x 12'-11	1 x 23'-11" 2 x 16'-7" 3 x 13'-10	1 x 25'-9" 2 x 18'-5" 3 x 14'-9"	1 x 27'-7" 2 x 18'-6" 3 x 1
4.27 (14	4)	L x 13'-10" 2 x 9'-2"	3 x 7'-4"	1 x 14'-9" 2 x 10'-1" 3 x 7'-10	" 1 x 19'-4" 2 x 13'-10" 3 x 11'-0"	1 x 21'-2" 2 x 14'-9" 3 x 11'-6"	1 x 25'-9" 2 x 17'-6" 3 x 14'-3"	1 x 26'-4" 2 x 18'-5" 3 x 14'-9"	1 x 28'-6" 2 x 19'-4" 3 x 15'-8"	1 x 29'-5" 2 x 20'-3" 3 x 16
4.88 (16	š)	L x 13'-10" 2 x 9'-2"	3 x 7'-4"	1 x 15'-8" 2 x 10'-4" 3 x 8'-3"	1 x 19'-4" 2 x 13'-10" 3 x 11'-0"	1 x 21'-2" 2 x 14'-9" 3 x 11'-9"	1 x 25'-9" 2 x 17'-6" 3 x 14'-3"	1 x 28'-0" 2 x 19'-6" 3 x 15'-9"	1 x 31'-3" 2 x 21'-2" 3 x 17'-6"	1 x 31'-6" 2 x 22'-1" 3 x 1
Vertical ICF	with 6" Tie Specing		As per ta	ble A.2.1.	As per t	able A.2.1.		able A.2.1.	As per ta	able A.2.1.
inforcement ICF	with 8" Tie Specing		As per ta	ble A.2.2.	As per t	able A.2.2.	As per ta	able A.2.2.		able A.2.2.
Horizontal Blo	ock Height of 12" and 18"		As per ta	ble A.2.1.	As per t	able A.2.1.	As per ta	able A.2.1.	As per ta	able A.2.1.
	ock Height of 16"			ble A.2.2.						

NOTES:

Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A. 1.

2

This table is to be used in conjunction with the "Design Limitations." Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in 3. the rebar placement drawing.

All four sides of the building are to have a minimum number and length of shear walls that conforms to this table. 4.

5. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

- 6. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.
- 7. Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.
- Horizontal reinforcement in shear walls where Salce > 0.16 must be anchored using a standard 180° hook around vertical end bars. 8. 9. When using this table for $S_{a,ICF} \leq 0.16$, use the vertical and horizontal distributed steel in Tables A.2.1. or A.2.2.





Table A. 11.2400. – <u>Above Grade Walkout Basement</u> Shear Wall Length for Seismic Zone Classification, $S_{a,ICF} \le 0.31$ and Hourly Wind Pressure, q1/50 ≤ 1.05 kPa, where Building Area ≤ 2400 ft²

Wall Height m (ft)				Seismic Zone	Classification			
	S _{AICE}	≤ 0.07	S _{a,ICF}	≤ 0.11	S _{a,icf}	≤ 0.16	S _{AJCF}	≤ 0.31
alkout Basement Wall of a Single Stor	y ICF Structure Supporting Wood F	ramed Roof (TYPE W1)						
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	Is provided						
2.44 (8)	1 x 7'-4" 2 x 5'-1" 3 x 4'-2"	1 x 7'-10" 2 x 5'-6" 3 x 4'-2"	1 x 9'-2" 2 x 6'-5" 3 x 5'-1"	1 x 9'-8" 2 x 6'-11" 3 x 5'-6"	1 x 11'-6" 2 x 7'-10" 3 x 6'-5"	1 x 11'-12" 2 x 8'-3" 3 x 6'-5"	1 x 16'-7" 2 x 11'-0" 3 x 9'-2"	1 x 17'-6" 2 x 11'-12" 3 x 9'-
2.75 (9)	1 x 7'-5" 2 x 5'-1" 3 x 4'-2"	1 x 8'-3" 2 x 5'-6" 3 x 4'-7"	1 x 9'-8" 2 x 6'-6" 3 x 5'-6"	1 x 10'-1" 2 x 6'-11" 3 x 5'-6"	1 x 11'-6" 2 x 8'-3" 3 x 6'-5"	1 x 12'-3" 2 x 8'-3" 3 x 6'-9"	1 x 16'-7" 2 x 11'-6" 3 x 9'-2"	1 x 17'-6" 2 x 11'-12" 3 x 9'-
3.05 (10)	1 x 7'-10" 2 x 5'-6" 3 x 4'-2"	1 x 8'-3" 2 x 5'-12" 3 x 4'-7"	1 x 9'-9" 2 x 6'-11" 3 x 5'-6"	1 x 10'-2" 2 x 7'-0" 3 x 5'-8"	1 x 11'-12" 2 x 8'-3" 3 x 6'-11"	1 x 12'-6" 2 x 8'-9" 3 x 6'-11"	1 x 17'-0" 2 x 11'-12" 3 x 9'-8"	1 x 17'-11" 2 x 12'-5" 3 x 10'
3.66 (12)	1 x 8'-3" 2 x 5'-6" 3 x 4'-7"	1 x 9'-2" 2 x 5'-12" 3 x 5'-1"	1 x 10'-5" 2 x 7'-4" 3 x 5'-12"	1 x 11'-0" 2 x 7'-4" 3 x 5'-12"	1 x 12'-6" 2 x 8'-9" 3 x 7'-4"	1 x 13'-4" 2 x 9'-2" 3 x 7'-4"	1 x 17'-11" 2 x 12'-5" 3 x 10'-1"	1 x 19'-4" 2 x 13'-0" 3 x 10
alkout Basement Walls of a Two Story	Wood Framed Structure Supportin	ng Wood Frame Floors and Roof	(TYPE W2)					
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	Is provided						
2.44 (8)	1 x 9'-0" 2 x 6'-3" 3 x 5'-0"	1 x 9'-0" 2 x 6'-3" 3 x 5'-0"	1 x 9'-8" 2 x 6'-11" 3 x 5'-6"	1 x 9'-8" 2 x 6'-11" 3 x 5'-6"	1 x 11'-12" 2 x 8'-3" 3 x 6'-5"	1 x 11'-12" 2 x 8'-3" 3 x 6'-5"	1 x 16'-7" 2 x 11'-6" 3 x 9'-2"	1 x 16'-7" 2 x 11'-6" 3 x 9'
2.75 (9)	1 x 9'-3" 2 x 6'-3" 3 x 5'-1"	1 x 9'-3" 2 x 6'-3" 3 x 5'-1"	1 x 10'-1" 2 x 7'-4" 3 x 5'-6"	1 x 10'-1" 2 x 7'-4" 3 x 5'-6"	1 x 11'-12" 2 x 8'-7" 3 x 6'-9"	1 x 11'-12" 2 x 8'-7" 3 x 6'-9"	1 x 17'-0" 2 x 11'-12" 3 x 9'-6"	1 x 17'-0" 2 x 11'-12" 3 x 9'
3.05 (10)	1 x 9'-6" 2 x 6'-5" 3 x 5'-3"	1 x 9'-6" 2 x 6'-5" 3 x 5'-3"	1 x 10'-1" 2 x 7'-4" 3 x 5'-6"	1 x 10'-1" 2 x 7'-4" 3 x 5'-6"	1 x 12'-5" 2 x 8'-7" 3 x 6'-9"	1 x 12'-5" 2 x 8'-7" 3 x 6'-9"	1 x 17'-6" 2 x 12'-3" 3 x 9'-8"	1 x 17'-6" 2 x 12'-3" 3 x 9
3.66 (12)	1 x 10'-0" 2 x 7'-0" 3 x 5'-6"	1 x 10'-0" 2 x 7'-0" 3 x 5'-6"	1 x 10'-7" 2 x 7'-4" 3 x 5'-12"	1 x 10'-7" 2 x 7'-4" 3 x 5'-12"	1 x 12'-11" 2 x 8'-9" 3 x 7'-1"	1 x 12'-11" 2 x 8'-9" 3 x 7'-1"	1 x 17'-11" 2 x 12'-5" 3 x 10'-1"	1 x 17'-11" 2 x 12'-5" 3 x 10
alkout Basement Wall of a Two Story	Building with Main Floor ICF Walls	Supporting 2nd Story Wood Fra	med Walls, Floor and Roof (TYP)	E W3)				
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	ls provided						
2.44 (8)	1 x 9'-2" 2 x 6'-5" 3 x 5'-3"	1 x 9'-2" 2 x 6'-9" 3 x 5'-3"	1 x 11'-6" 2 x 7'-10" 3 x 6'-5"	1 x 11'-6" 2 x 8'-3" 3 x 6'-5"	1 x 13'-10" 2 x 9'-8" 3 x 7'-12"	1 x 14'-3" 2 x 9'-8" 3 x 7'-12"	1 x 19'-4" 2 x 13'-10" 3 x 11'-0"	1 x 20'-3" 2 x 13'-10" 3 x 11
2.75 (9)	1 x 9'-2" 2 x 6'-9" 3 x 5'-3"	1 x 9'-2" 2 x 6'-9" 3 x 5'-3"	1 x 11'-6" 2 x 8'-3" 3 x 6'-5"	1 x 11'-12" 2 x 8'-3" 3 x 6'-5"	1 x 14'-9" 2 x 9'-8" 3 x 7'-12"	1 x 14'-9" 2 x 10'-1" 3 x 7'-12"	1 x 19'-9" 2 x 13'-10" 3 x 11'-4"	1 x 20'-3" 2 x 14'-3" 3 x 11
3.05 (10)	1 x 9'-6" 2 x 6'-9" 3 x 5'-3"	1 x 9'-8" 2 x 6'-9" 3 x 5'-3"	1 x 11'-12" 2 x 8'-3" 3 x 6'-9"	1 x 11'-12" 2 x 8'-3" 3 x 6'-9"	1 x 14'-9" 2 x 10'-1" 3 x 7'-12"	1 x 14'-9" 2 x 10'-1" 3 x 8'-3"	1 x 20'-3" 2 x 14'-3" 3 x 11'-4"	1 x 20'-8" 2 x 14'-3" 3 x 11
3.66 (12)	1 x 10'-1" 2 x 7'-0" 3 x 5'-6"	1 x 10'-1" 2 x 7'-0" 3 x 5'-6"	1 x 12'-5" 2 x 8'-9" 3 x 6'-11"	1 x 12'-5" 2 x 8'-9" 3 x 6'-11"	1 x 15'-0" 2 x 10'-5" 3 x 8'-3"	1 x 15'-2" 2 x 10'-7" 3 x 8'-7"	1 x 21'-2" 2 x 14'-9" 3 x 11'-12'	1 x 21'-7" 2 x 15'-2" 3 x 12
alkout Basement Wall of Two Story IC	F Structure Supporting Wood Fram	e Floors and Roof (TYPE W4)						
alkout Basement Wall of Two Story IC	F Structure Supporting Wood Fram 6" & 8" Thick Wall	te Floors and Roof (TYPE W4) 10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
Ikout Basement Wall of Two Story IC		10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
Ikout Basement Wall of Two Story IC	6" & 8" Thick Wall Number and length of shear wal	10" & 12" Thick Wall						
	6" & 8" Thick Wall Number and length of shear wal 1 x 10'-1" 2 x 7'-0" 3 x 5'-10"	10" & 12" Thick Wall Is provided	1 x 12'-11" 2 x 9'-2" 3 x 7'-4"	1 x 13'-6" 2 x 9'-2" 3 x 7'-6"	1 x 15'-8" 2 x 11'-0" 3 x 8'-9"	1 x 16'-7" 2 x 11'-6" 3 x 9'-2"	1 x 22'-1" 2 x 15'-8" 3 x 12'-5"	1 x 23'-3" 2 x 16'-7" 3 x 13
2.44 (8)	6" & 8" Thick Wall Number and length of shear wal 1 x 10'-1" 2 x 7'-0" 3 x 5'-10" 1 x 10'-7" 2 x 7'-4" 3 x 5'-10"	10" & 12" Thick Wall Is provided 1 x 11'-0" 2 x 7'-4" 3 x 5'-10"	1 x 12'-11" 2 x 9'-2" 3 x 7'-4" 1 x 13'-10" 2 x 9'-2" 3 x 7'-4"	1 x 13'-6" 2 x 9'-2" 3 x 7'-6" 1 x 13'-10" 2 x 9'-8" 3 x 7'-10"	1 x 15'-8" 2 x 11'-0" 3 x 8'-9" 1 x 16'-7" 2 x 11'-1" 3 x 9'-2"	1 x 16'-7" 2 x 11'-6" 3 x 9'-2" 1 x 16'-9" 2 x 11'-8" 3 x 9'-4"	1 x 22'-1" 2 x 15'-8" 3 x 12'-5" 1 x 23'-0" 2 x 15'-9" 3 x 12'-11'	1 x 23'-3" 2 x 16'-7" 3 x 13 1 x 23'-11" 2 x 16'-7" 3 x 13
2.44 (8) 2.75 (9)	6" & 8" Thick Wall Number and length of shear wall 1 x 10'-1" 2 x 7'-0" 1 x 10'-1" 2 x 7'-4" 1 x 10'-7" 2 x 7'-4" 1 x 10'-7" 2 x 7'-4" 3 x 5'-10"	10" & 12" Thick Wall Is provided 1 x 11'-0" 2 x 7'-4" 3 x 5'-10" 1 x 11'-0" 2 x 7'-4" 3 x 5'-12"	1 x 12'-11" 2 x 9'-2" 3 x 7'-4" 1 x 13'-10" 2 x 9'-2" 3 x 7'-4" 1 x 13'-10" 2 x 9'-3" 3 x 7'-10"	1 x 13'-6" 2 x 9'-2" 3 x 7'-6" 1 x 13'-10" 2 x 9'-8" 3 x 7'-10" 1 x 14'-0" 2 x 9'-8" 3 x 7'-10"	1 x 15'-8" 2 x 11'-0" 3 x 8'-9" 1 x 16'-7" 2 x 11'-1" 3 x 9'-2" 1 x 16'-7" 2 x 11'-1" 3 x 9'-2"	1 x 16'-7" 2 x 11'-6" 3 x 9'-2" 1 x 16'-9" 2 x 11'-8" 3 x 9'-4" 1 x 17'-1" 2 x 11'-12" 3 x 9'-8"	1 x 22'-1" 2 x 15'-8" 3 x 12'-5" 1 x 23'-0" 2 x 15'-9" 3 x 12'-11' 1 x 23'-0" 2 x 16'-7" 3 x 13'-0"	1 x 23'-3" 2 x 16'-7" 3 x 1: 1 x 23'-11" 2 x 16'-7" 3 x 1: 1 x 24'-3" 2 x 16'-9" 3 x 13
2.44 (8) 2.75 (9) 3.05 (10)	6" & 8" Thick Wall Number and length of shear wal 1 x 10'-1" 2 x 7'-0" 3 x 5'-10" 1 x 10'-7" 2 x 7'-4" 3 x 5'-10" 1 x 10'-7" 2 x 7'-4" 3 x 5'-10" 1 x 11'-0" 2 x 7'-8" 3 x 6'-2"	10" & 12" Thick Wall Is provided 1 x 11'-0" 2 x 7'-4" 3 x 5'-10" 1 x 11'-0" 2 x 7'-4" 3 x 5'-12" 1 x 11'-0" 2 x 7'-8" 3 x 6'-3" 1 x 11'-6" 2 x 7'-10" 3 x 6'-5"	1 x 12'-11" 2 x 9'-2" 3 x 7'-4" 1 x 13'-10" 2 x 9'-2" 3 x 7'-4" 1 x 13'-10" 2 x 9'-3" 3 x 7'-10"	1 x 13'-6" 2 x 9'-2" 3 x 7'-6" 1 x 13'-10" 2 x 9'-8" 3 x 7'-10" 1 x 14'-0" 2 x 9'-8" 3 x 7'-10" 1 x 14'-9" 2 x 10'-1" 3 x 8'-3"	1 x 15'-8" 2 x 11'-0" 3 x 8'-9" 1 x 16'-7" 2 x 11'-1" 3 x 9'-2" 1 x 16'-7" 2 x 11'-1" 3 x 9'-2"	1 x 16'-7" 2 x 11'-6" 3 x 9'-2" 1 x 16'-9" 2 x 11'-8" 3 x 9'-4" 1 x 17'-1" 2 x 11'-12" 3 x 9'-8"	1 x 22'-1" 2 x 15'-8" 3 x 12'-5" 1 x 23'-0" 2 x 15'-9" 3 x 12'-11' 1 x 23'-0" 2 x 16'-7" 3 x 13'-0"	1 x 23'-3" 2 x 16'-7" 3 x 1: 1 x 23'-11" 2 x 16'-7" 3 x 1: 1 x 24'-3" 2 x 16'-9" 3 x 13
2.75 (9) 3.05 (10) 3.66 (12)	6" & 8" Thick Wall Number and length of shear wal 1 x 10'-1" 2 x 7'-0" 3 x 5'-10" 1 x 10'-7" 2 x 7'-4" 3 x 5'-10" 1 x 10'-7" 2 x 7'-4" 3 x 5'-10" 1 x 11'-0" 2 x 7'-8" 3 x 6'-2"	10" & 12" Thick Wall Is provided 1 x 11'-0" 2 x 7'-4" 3 x 5'-10" 1 x 11'-0" 2 x 7'-4" 3 x 5'-12" 1 x 11'-0" 2 x 7'-8" 3 x 6'-3" 1 x 11'-6" 2 x 7'-10" 3 x 6'-5" 3 300 (12)	1 x 12'-11" 2 x 9'-2" 3 x 7'-4" 1 x 13'-10" 2 x 9'-2" 3 x 7'-4" 1 x 13'-10" 2 x 9'-2" 3 x 7'-10" 1 x 13'-10" 2 x 9'-3" 3 x 7'-10"	1 x 13'-6" 2 x 9'-2" 3 x 7'-6" 1 x 13'-10" 2 x 9'-8" 3 x 7'-10" 1 x 14'-0" 2 x 9'-8" 3 x 7'-10" 1 x 14'-9" 2 x 10'-1" 3 x 8'-3"	1 x 15'-8" 2 x 11'-0" 3 x 8'-9" 1 x 16'-7" 2 x 11'-1" 3 x 9'-2" 1 x 16'-7" 2 x 11'-1" 3 x 9'-2" 1 x 16'-7" 2 x 11'-6" 3 x 9'-2" 1 x 17'-0" 2 x 11'-12" 3 x 9'-8"	1 x 16'-7" 2 x 11'-6" 3 x 9'-2" 1 x 16'-9" 2 x 11'-8" 3 x 9'-4" 1 x 17'-1" 2 x 11'-12" 3 x 9'-8" 1 x 17'-11" 2 x 12'-5" 3 x 10'-1"	1 x 22'-1" 2 x 15'-8" 3 x 12'-5" 1 x 23'-0" 2 x 15'-9" 3 x 12'-11" 1 x 23'-0" 2 x 16'-7" 3 x 13'-0" 1 x 23'-11" 2 x 16'-8" 3 x 13'-6"	1 x 23'-3" 2 x 16'-7" 3 x 13 1 x 23'-11" 2 x 16'-7" 3 x 13 1 x 24'-3" 2 x 16'-9" 3 x 13' 1 x 25'-3" 2 x 17'-6" 3 x 14'
2.44 (8) 2.75 (9) 3.05 (10) 3.66 (12) Vertical 6 ⁷ , 8 ⁿ and 10 [*] thick wall	6" & 8" Thick Wall Number and length of shear wall 1 x 10'-1" 2 x 7'-0" 3 x 5'-10" 1 x 10'-7" 2 x 7'-4" 3 x 5'-10" 1 x 10'-7" 2 x 7'-4" 3 x 5'-10" 1 x 11'-0" 2 x 7'-8" 3 x 5'-20" 1 x 11'-0" 1 x 7'-4" 3 x 5'-10" 1 x 11'-0" 1 x 7'-4" 3 x 5'-10" 1 x 10'-7" 1 x 7'-4" 1 x 7'-4" 1 x 10'-7" 1 x 10'-7" 1 x 7'-4" 1 x 7'-4" 1 x 10'-7" 1 x 10'-7" 1 x 7'-4" 1 x 7'-4" 1 x 10'-7" 1 x 7'-4" 1 x 7'-4" 1 x 10'-7" 1 x 10'-7" 1 x 7'-4" 1 x 7'-4" 1 x 10'-7" 1 x 10'-7" 1 x 7'-4" 1 x 7'-4" 1 x 10'-7" 1 x 10'-7" 1 x 7'-4" 1 x 7'-4" 1 x 10'-7" 1 x 10'-7" 1 x 7'-4" 1 x 7'-4" 1 x 10'-7" 1 x 10'-7" 1 x 7'-4" 1 x 7'-4" 1 x 10'-7" 1 x 10'-7" 1 x 7'-4" 1 x 7'-4" 1 x 10'-7" 1 x 10'-7" 1 x 7'-4" 1 x 7'-4" 1 x 10'-7" 1 x 10'-7" 1 x 10'-7" 1 x 7'-4" 1 x 7'-4" 1 x 10'-7" 1 x	10" & 12" Thick Wall Is provided 1 x 11'-0" 2 x 7'-4" 3 x 5'-10" 1 x 11'-0" 2 x 7'-4" 3 x 5'-12" 1 x 11'-0" 2 x 7'-8" 3 x 5'-3" 1 x 11'-6" 2 x 7'-10" 3 x 6'-3" 9 300 (12) 9 300 (12)	1 x 12'-11" 2 x 9'-2" 3 x 7'-4" 1 x 13'-10" 2 x 9'-2" 3 x 7'-4" 1 x 13'-10" 2 x 9'-3" 3 x 7'-10" 1 x 14'-0" 2 x 9'-8" 3 x 7'-10" 15 M @	1 x 13'-6" 2 x 9'-2" 3 x 7'-6" 1 x 13'-10" 2 x 9'-8" 3 x 7'-6" 1 x 14'-0" 2 x 9'-8" 3 x 7'-10" 1 x 14'-9" 2 x 10'-1" 3 x 8'-3" 300 (12)	1 x 15'-8" 2 x 11'-0" 3 x 8'-9" 1 x 16'-7" 2 x 11'-1" 3 x 9'-2" 1 x 16'-7" 2 x 11'-6" 3 x 9'-2" 1 x 17'-0" 2 x 11'-12" 3 x 9'-8" 15 M @	1 x 16'-7" 2 x 11'-6" 3 x 9'-2" 1 x 16'-9" 2 x 11'-8" 3 x 9'-2" 1 x 17'-1" 2 x 11'-12" 3 x 9'-8" 1 x 17'-11" 2 x 11'-12" 3 x 9'-8" 300 (12)	1 x 22'-1" 2 x 15'-8" 3 x 12'-5" 1 x 23'-0" 2 x 15'-9" 3 x 12'-1" 1 x 23'-0" 2 x 16'-7" 3 x 13'-0" 1 x 23'-11" 2 x 16'-8" 3 x 13'-6" 15 M @	1 x 23'-3" 2 x 16'-7" 3 x 13 1 x 23'-11" 2 x 16'-7" 3 x 13 1 x 24'-3" 2 x 16'-9" 3 x 13' 1 x 25'-3" 2 x 17'-6" 3 x 14 300 (12)

NOTES:

- 1. $S_{a,ICF}$ is equivalent spectral response acceleration for ICF walls as provided in Appendix A.
- 2. This table is to be used in conjunction with the "Design Limitations."
- Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in the rebar placement drawing.
- 4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.
- 5. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.
- 6. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.
- 7. Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.
- Horizontal reinforcement in shear walls where S_{a,ICF} > 0.16 must be anchored using a standard 180° hook around vertical end bars.
 Walkout basement shear walls are to be reviewed and designed by a structural engineer where Sa,ICF > 0.31.





Table A.3.1600. Above Grade Shear Wall Length for Seismic Zone Classification, Sa,ICF ≤ 0.16 and Hourly Wind Pressure, q1/50 ≤ 0.5kPa (in a Building Without Walkout Basement), where Building Area ≤ 1600ft²

Wall Height	m (ft)							-	Se	ismic Zone	Classificat	ion							
				S _{a,ICF}	≤ 0.07					S _{a,ICF} :	≤ 0.11					S _{a,ICF}	≤ 0.16		
ond Floor Walls of Two	Story ICF Structur													-					
		6" 8	8" Thick	Wall	10" 8	& 12" Thick	Wall	6" &	8" Thick	Nall	10" 8	& 12" Thick	Wall	6" 8	& 8" Thick \	Wall	10" 8	k 12" Thick	Wall
		Number an	d length of	shear wall															
2.44 (8)			2 x 3'-2"				3 x 2'-8"						3 x 2'-8"		2 x 3'-2"				
2.75 (9)		1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-7"	3 x 2'-8"	1 x 6'-5"	2 x 4'-0"	3 x 2
3.05 (10)		1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-10"	1 x 6'-5"	2 x 3'-7"	3 x 2'-10"	1 x 6'-10"	2 x 4'-5"	3 x 2'-11"	1 x 7'-2"	2 x 4'-5"	3 x 3
n Floor Walls of One St	tory ICF Structure	Supporting	g Wood Fra	ame Roof (TYPE B)														
		6" 8	8" Thick	Wall	10" 8	& 12" Thick	Wall	6" &	8" Thick	Wall	10" 8	& 12" Thick	Wall	6" 8	& 8" Thick \	Wall	10" 8	k 12" Thick	wall
		Number an	d length of	f shear wall	s provided														
2.44 (8)		1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x
2.75 (9)		1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 3
3.05 (10)		1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-7"	3 x 2'-10"	1 x 6'-5"	2 x 4'-0"	3 x 2
3.66 (12)		1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-7"	3 x 2'-10"	1 x 6'-5"	2 x 3'-7"	3 x 2'-10"	1 x 7'-2"	2 x 4'-10"	3 x 3'-7"	1 x 7'-2"	2 x 4'-5"	3 x
4.27 (14)		1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 4'-0"	3 x 3'-2"	1 x 6'-5"	2 x 4'-5"	3 x 3'-2"	1 x 7'-6"	2 x 4'-10"	3 x 4'-0"	1 x 8'-0"	2 x 5'-7"	3 x
4.88 (16)		1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 4'-0"	3 x 3'-2"	1 x 6'-5"	2 x 4'-0"	3 x 3'-2"	1 x 7'-2"	2 x 4'-10"	3 x 3'-7"	1 x 8'-0"	2 x 5'-2"	3 x 4'-0"	1 x 8'-10"	2 x 6'-0"	3 x 4
Floor Walls of Two St	tory Structure Sup	porting 2n	nd Story W	ood Fram	ed Walls, Fl	oor and Re	oof (TYPE C)											-
		6" 8	8" Thick	Wall	10" 8	& 12" Thick	Wall	6" &	8" Thick	Wall	10" 8	& 12" Thick	Wall	6" 8	& 8" Thick \	Wall	10" 8	k 12" Thick	Wal
		Number an	d length of	f shear wall	s provided														
2.44 (8)		1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 7'-2"	2 x 4'-10"	3 x 4'-0"	1 x 7'-2"	2 x 5'-2"	3 x 4'-0"	1 x 8'-10"	2 x 5'-7"	3 x 4'-5"	1 x 9'-2"	2 x 5'-7"	3 x
2.75 (9)		1 x 6'-5"	2 x 3'-7"	3 x 2'-10"	1 x 6'-5"	2 x 3'-7"	3 x 2'-10"	1 x 7'-2"	2 x 5'-2"	3 x 4'-0"	1 x 8'-0"	2 x 5'-7"	3 x 4'-0"	1 x 9'-7"	2 x 6'-0"	3 x 4'-10"	1 x 9'-7"	2 x 6'-0"	3 x 4
3.05 (10)		1 x 6'-5"	2 x 4'-0"	3 x 3'-2"	1 x 6'-5"	2 x 4'-0"	3 x 3'-2"	1 x 7'-7"	2 x 5'-10"	3 x 4'-10"	1 x 8'-0"	2 x 5'-10"	3 x 4'-10"	1 x 9'-7"	2 x 6'-5"	3 x 5'-2"	1 x 10'-0"	2 x 6'-5"	3 x
3.66 (12)		1 x 6'-10"	2 x 4'-5"	3 x 3'-2"	1 x 6'-10"	2 x 4'-5"	3 x 3'-2"	1 x 8'-5"	2 x 6'-8"	3 x 5'-2"	1 x 8'-5"	2 x 6'-8"	3 x 5'-2"	1 x 10'-5"	2 x 7'-2"	3 x 5'-7"	1 x 10'-5"	2 x 7'-2"	3 x
4.27 (14)		1 x 6'-10"	2 x 4'-5"	3 x 3'-7"	1 x 6'-10"	2 x 4'-10"	3 x 3'-7"	1 x 8'-10"	2 x 6'-10"	3 x 5'-7"	1 x 9'-2"	2 x 7'-2"	3 x 5'-7"	1 x 10'-5"	2 x 7'-2"	3 x 5'-7"	1 x 11'-2"	2 x 8'-0"	3 x
4.88 (16)		1 x 6'-10"	2 x 4'-5"	3 x 3'-7"	1 x 7'-2"	2 x 4'-10"	3 x 4'-0"	1 x 8'-10"	2 x 7'-2"	3 x 6'-0"	1 x 9'-7"	2 x 7'-7"	3 x 6'-0"	1 x 10'-5"	2 x 7'-2"	3 x 6'-0"	1 x 11'-7"	2 x 8'-0"	3 x
Floor Walls of Two St	tory ICF Structure	Supporting	g Wood Fr	ame Floors	and Roof	(TYPE D)		V	V		V.	V		V		V	- V		W
		6" 8	8" Thick	Wall	10" 8	& 12" Thick	Wall	6" &	8" Thick	Nall	10" 8	& 12" Thick	Wall	6" 8	& 8" Thick \	Wall	10" 8	k 12" Thick	Wal
		Number an	d length of	f shear wall	s provided														
2.44 (8)		1 x 7'-2"	2 x 4'-5"	3 x 3'-2"	1 x 7'-2"	2 x 4'-5"	3 x 3'-7"	1 x 8'-10"	2 x 5'-7"	3 x 4'-5"	1 x 9'-7"	2 x 6'-5"	3 x 4'-10"	1 x 11'-2"	2 x 7'-2"	3 x 5'-7"	1 x 12'-10"	2 x 8'-0"	3 x
2.75 (9)		1 x 7'-2"	2 x 4'-10"	3 x 3'-2"	1 x 8'-0"	2 x 4'-10"	3 x 4'-0"	1 x 9'-7"	2 x 6'-0"	3 x 4'-10"	1 x 10'-5"	2 x 6'-5"	3 x 4'-10"	1 x 12'-0"	2 x 7'-7"	3 x 6'-5"	1 x 12'-10"	2 x 8'-10"	3 x
3.05 (10)		1 x 7'-7"	2 x 4'-10"	3 x 3'-7"	1 x 8'-0"	2 x 5'-2"	3 x 4'-0"	1 x 10'-5"	2 x 6'-5"	3 x 4'-10"	1 x 10'-5"	2 x 6'-10"	3 x 5'-7"	1 x 12'-5"	2 x 8'-0"	3 x 6'-5"	1 x 13'-7"	2 x 8'-10"	3 x 6
3.66 (12)			2 x 5'-7"		1 x 8'-0"	2 x 5'-7"		1 x 10'-5"											
4.27 (14)								1 x 10'-5"											
4.88 (16)		1 x 8'-0"	2 x 5'-7"	3 x 4'-5"	1 x 9'-2"	2 x 6'-0"	3 x 4'-10"	1 x 10'-5"	2 x 7'-2"	3 x 5'-7"	1 x 11'-9"	2 x 8'-0"	3 x 6'-5"	1 x 12'-10'	2 x 8'-10"	3 x 7'-2"	1 x 14'-8"	2 x 10'-0"	3 x
Vertical ICF with 6	5" Tie Specing			As per ta	ble A.1.1.					As per ta	ble A.1.1.					As per ta	ble A.1.1.		
nforcement ICF with 8	3" Tie Specing			As per ta	ble A.1.2.					As per ta	ble A.1.2.					As per ta	ble A.1.2.		
lorizontal Block Heij	ght of 12" and 18"			10 M @	450	(18)				10 M @	450	(18)				10 M @	450	(18)	
nforcement Block Heij				10 M @	400	(16)				10 M @	400	(16)				10 M @	400	(16)	
			_				_						-						_

1.

2.

S_{alCF} is equivalent spectral response acceleration for ICF walls as provided in Appendix A. This table is to be used in conjunction with the "Design Limitations." Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in 3. the rebar placement drawing.

All four sides of the building are to have a minimum number and length of shear walls that conforms to this table. 4.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail. 6.

7. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.

8. Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.

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Table A.4.1600. Above Grade Shear Wall Length for Seismic Zone Classification, S_{a,ICF} ≤ 0.16 and Hourly Wind Pressure, 0.5kPa < $q1/50 \le 0.75$ kPa (in a Building Without Walkout Basement), where Building Area ≤ 1600ft²

Wall Height m (ft)							-	Se	ismic Zone		ion							
			S _{a,ICF} :	≤ 0.07					S _{a,ICF}	≤ 0.11					S _{a,ICF}	≤ 0.16		
nd Floor Walls of Two Story ICF Stru	cture Supporting	g Wood Fr	rame Roo	f (TYPE A)														
	6" & 8	3" Thick W	/all	10" 8	& 12" Thick	Wall	6" 8	8" Thick	Wall	10" 8	& 12" Thick	Wall	6" 8	& 8" Thick \	Wall	10" 8	k 12" Thick	k Wall
	Number and I	length of s	hear wall	s provided														
2.44 (8)	1 x 6'-5" 2	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-7"	3 x 2'-10"	1 x 6'-5"	2 x 3'-2"	3 x 2
2.75 (9)	1 x 6'-5" 2	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 4'-0"	3 x 3'-2"	1 x 6'-5"	2 x 4'-0"	3 x 2
3.05 (10)	1 x 6'-5" 2	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-7"	3 x 2'-10"	1 x 6'-5"	2 x 3'-7"	3 x 2'-10"	1 x 7'-2"	2 x 4'-10"	3 x 3'-7"	1 x 7'-2"	2 x 4'-10"	3 x .
Floor Walls of One Story ICF Structu	re Supporting V	Nood Fran	me Roof (TYPE B)														
	6" & 8	" Thick W	all .	10" 8	k 12" Thick	Wall	6" 8	8" Thick	Wall	10" 8	& 12" Thick	Wall	6" 8	8" Thick	Wall	10" 8	k 12" Thick	k Wal
	Number and I	length of s	hear wall	s provided														
2.44 (8)	1 x 6'-5" 2				2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x
2.75 (9)	1 x 6'-5" 2						1 x 6'-5"					3 x 2'-8"				1 x 6'-5"		
3.05 (10)	1 x 6'-5" 2			1 x 6'-5"			1 x 6'-5"				2 x 3'-2"					1 x 6'-5"		
3.66 (12)	1 x 6'-5" 2						1 x 6'-5"					3 x 2'-10"				1 x 7'-2"		
4.27 (14)	1 x 6'-5" 2															1 x 8'-0"		
4.88 (16)	1 x 6'-5" 2															1 x 8'-10"		
Floor Walls of Two Story Structure						-												
		" Thick W			12" Thick		· · · · · · · · · · · · · · · · · · ·	8" Thick	Wall	10" \$	& 12" Thick	Wall	6" 8	8" Thick	Mall.	10" \$	k 12" Thick	/ Wal
	Number and I							to milek			A 12 111101			x o miex			. 12 1110	
2.44 (8)	1 x 6'-5" 2				2 x 3'-2"	3 x 2'-8"	1 x 7'-2"	2 x 4'-10"	3 x 4'-0"	1 x 7'-2"	2 x 5'-2"	3 x 4'-0"	1 v 0'-2"	2 x 6'-0"	3 x 4'-10"	1 x 9'-2"	2 x 5'-7"	3 4
2.75 (9)	1 x 6'-5" 2						1 x 7'-2"				2 x 5'-7"					1 x 9'-7"		
3.05 (10)	1 x 6'-5" 2																	
3.66 (12)	1 x 6'-10" 2																	
4.27 (14)	1 x 6'-10" 2																	
4.88 (16)	1 x 6'-10" 2																	
Floor Walls of Two Story ICF Struct					· · · · · · · · · · · · · · · · · · ·	5.40	1 4 0 10	LATE	5.00	V		5.00	1 1 10 5	LATE	3.00		2.000	<u> </u>
noor wans of two story let struct		" Thick W			k 12" Thick	Wall	C" 0	8" Thick	Mall	10" 9	& 12" Thick	Mall	C" 0	8" Thick	Mall	10" 9	k 12" Thick	Wal
	Number and I				x 12 1110	wan	0.6	to mick	wan	10 0	X IZ THICK	wan		ko mick	wan	10 0	K 12 1110	(wai
2.44 (8)	1 x 7'-2" 2				2 x 4'-5"	3 x 3'-7"	1 x 8'-10"	2 x 5'-7"	3 x 4'-5"	1 v 0'-7"	2 x 6'-5"	3 x 4'-10"	1 x 11'-2"	2 x 7'-2"	3 x 5'-7"	1 x 12'-10"	2 v 8'-0"	3 4
2.75 (9)	1 x 7'-2" 2						1 x 9'-7"											
3.05 (10)	1 x 7'-7" 2			1 x 8'-0"			1 x 10'-5"											
3.66 (12)	1 x 8'-0" 2						1 x 10'-5"											
4.27 (14)	1 x 8'-0" 2																	
4.88 (16)	1 x 8'-0" 2																	
/ertical ICF with 6" Tie Specing			As per ta						As per ta							ble A.1.1.		<u>.</u>
forcement ICF with 8" Tie Specing			As per ta						As per ta							ble A.1.2.		
prizontal Block Height of 12" and 1	.8"		10 M @		(18)				10 M @		(18)				10 M @		(18)	
																		_

1. Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A.

2. This table is to be used in conjunction with the "Design Limitations."

3. Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in the rebar placement drawing.

4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.

Use Table A.6 for buildings that do not meet the required wall length of this table. 5.

Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail. 6.

All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required. 7.

Concentrated reinforcement is to be placed in accordance with Bar Placement Detail. 8





Table A.5.1600. Above Grade Shear Wall Length for Seismic Zone Classification, S_{a,ICF} ≤ 0.16 and Hourly Wind Pressure, 0.5kPa < $q1/50 \le 0.75$ kPa (in a Building Without Walkout Basement), where Building Area ≤ 1600ft²

Wall Height m (ft)				Classification		
		≤ 0.07	S _{a,ICF}	≤ 0.11	S _{a,ICF}	≤ 0.16
ond Floor Walls of Two Story ICF Str						
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa					
2.44 (8)			1 x 6'-5" 2 x 3'-2" 3 x 2'-8"			
2.75 (9)		1 x 6'-5" 2 x 3'-2" 3 x 2'-8"				
3.05 (10)		1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-7" 3 x 2'-10"	1 x 6'-5" 2 x 3'-7" 3 x 2'-10"	1 x 7'-2" 2 x 4'-10" 3 x 3'-7"	1 x 7'-2" 2 x 4'-10" 3 x 3
in Floor Walls of One Story ICF Struc						
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa					
2.44 (8)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"					
2.75 (9)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"		1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-7" 3 x 2'
3.05 (10)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"		1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 4'-0" 3 x 2'-10"	1 x 6'-5" 2 x 4'-0" 3 x 2'
3.66 (12)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-7" 3 x 2'-10"	1 x 6'-5" 2 x 3'-7" 3 x 2'-10"	1 x 7'-2" 2 x 4'-10" 3 x 3'-7"	1 x 7'-2" 2 x 4'-10" 3 x 3
4.27 (14)		1 x 6'-5" 2 x 3'-2" 3 x 2'-8"				1 x 8'-0" 2 x 5'-7" 3 x 4
4.88 (16)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 4'-0" 3 x 3'-2"	1 x 6'-5" 2 x 4'-0" 3 x 3'-2"	1 x 7'-2" 2 x 4'-10" 3 x 3'-7"	1 x 8'-0" 2 x 5'-2" 3 x 4'-0"	1 x 8'-10" 2 x 6'-0" 3 x 4'
in Floor Walls of Two Story Structure	e Supporting 2nd Story Wood Fram	ed Walls, Floor and Roof (TYPE C				
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 6'-5" 2 x 3'-9" 3 x 3'-0"	1 x 6'-5" 2 x 3'-2" 3 x 3'-0"	1 x 7'-2" 2 x 4'-10" 3 x 4'-0"	1 x 7'-2" 2 x 5'-2" 3 x 4'-0"	1 x 9'-2" 2 x 6'-0" 3 x 4'-10"	1 x 9'-2" 2 x 5'-7" 3 x 4
2.75 (9)	1 x 6'-5" 2 x 4'-0" 3 x 3'-0"	1 x 6'-5" 2 x 4'-3" 3 x 3'-2"	1 x 7'-2" 2 x 5'-2" 3 x 4'-0"	1 x 8'-0" 2 x 5'-7" 3 x 4'-0"	1 x 9'-7" 2 x 6'-0" 3 x 4'-10"	1 x 9'-7" 2 x 6'-5" 3 x 4
3.05 (10)	1 x 6'-5" 2 x 4'-3" 3 x 3'-2"	1 x 6'-5" 2 x 4'-0" 3 x 3'-2"	1 x 8'-0" 2 x 5'-10" 3 x 4'-10"	1 x 8'-0" 2 x 5'-10" 3 x 4'-10"	1 x 10'-0" 2 x 6'-10" 3 x 5'-2"	1 x 10'-0" 2 x 6'-5" 3 x 5
3.66 (12)	1 x 6'-10" 2 x 4'-5" 3 x 3'-2"	1 x 6'-10" 2 x 4'-5" 3 x 3'-6"	1 x 8'-5" 2 x 6'-8" 3 x 5'-2"	1 x 8'-5" 2 x 6'-8" 3 x 5'-2"	1 x 10'-5" 2 x 7'-2" 3 x 5'-7"	1 x 10'-5" 2 x 7'-2" 3 x 5
4.27 (14)	1 x 6'-10" 2 x 4'-5" 3 x 3'-7"	1 x 6'-10" 2 x 4'-10" 3 x 3'-7"	1 x 8'-10" 2 x 6'-10" 3 x 5'-7"	1 x 9'-2" 2 x 7'-2" 3 x 5'-7"	1 x 10'-5" 2 x 7'-2" 3 x 5'-7"	1 x 11'-2" 2 x 8'-0" 3 x 6
4.88 (16)	1 x 6'-10" 2 x 4'-5" 3 x 3'-7"	1 x 7'-2" 2 x 4'-10" 3 x 4'-0"	1 x 8'-10" 2 x 7'-2" 3 x 6'-0"	1 x 9'-7" 2 x 7'-7" 3 x 6'-0"	1 x 10'-5" 2 x 7'-2" 3 x 6'-0"	1 x 11'-7" 2 x 8'-0" 3 x 6
n Floor Walls of Two Story ICF Struc	ture Supporting Wood Frame Floor	s and Roof (TYPE D)	V i V	\sim \sim		
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 7'-2" 2 x 4'-5" 3 x 3'-7"	1 x 7'-2" 2 x 4'-5" 3 x 3'-7"	1 x 8'-10" 2 x 6'-0" 3 x 4'-10"	1 x 9'-7" 2 x 6'-5" 3 x 4'-10"	1 x 11'-2" 2 x 7'-2" 3 x 5'-7"	1 x 12'-10" 2 x 8'-0" 3 x 6
2.75 (9)	1 x 7'-2" 2 x 4'-10" 3 x 3'-7"	1 x 8'-0" 2 x 5'-2" 3 x 4'-0"	1 x 9'-7" 2 x 6'-0" 3 x 4'-10"	1 x 10'-5" 2 x 6'-10" 3 x 5'-2"	1 x 12'-0" 2 x 7'-7" 3 x 6'-5"	1 x 12'-10" 2 x 8'-10" 3 x 6
3.05 (10)	1 x 7'-7" 2 x 5'-2" 3 x 4'-0"	1 x 8'-0" 2 x 5'-2" 3 x 4'-0"	1 x 10'-5" 2 x 6'-10" 3 x 5'-2"	1 x 10'-5" 2 x 6'-10" 3 x 5'-7"	1 x 12'-5" 2 x 8'-5" 3 x 6'-5"	1 x 13'-7" 2 x 8'-10" 3 x 6'
3.66 (12)	1 x 8'-0" 2 x 5'-7" 3 x 4'-0"	1 x 8'-5" 2 x 5'-7" 3 x 4'-5"	1 x 10'-5" 2 x 7'-2" 3 x 5'-7"	1 x 10'-10" 2 x 7'-2" 3 x 5'-7"	1 x 12'-10" 2 x 8'-10" 3 x 7'-2"	1 x 13'-7" 2 x 8'-10" 3 x 7
4.27 (14)	1 x 8'-0" 2 x 5'-7" 3 x 4'-5"	1 x 8'-10" 2 x 6'-0" 3 x 4'-10"	1 x 10'-5" 2 x 7'-2" 3 x 5'-7"	1 x 11'-7" 2 x 7'-7" 3 x 6'-5"	1 x 12'-10" 2 x 8'-10" 3 x 7'-2"	1 x 14'-5" 2 x 9'-7" 3 x 8
4.88 (16)	1 x 8'-0" 2 x 5'-7" 3 x 4'-5"	1 x 9'-2" 2 x 6'-0" 3 x 4'-10"	1 x 10'-5" 2 x 7'-2" 3 x 5'-7"	1 x 11'-7" 2 x 8'-0" 3 x 6'-5"	1 x 12'-10" 2 x 8'-10" 3 x 7'-2"	1 x 14'-5" 2 x 10'-0" 3 x 8
	As per t	able A.1.1.	As per ta	able A.1.1.	As per ta	ble A.1.1.
Vertical ICF with 6" Tie Specing			A	able A.1.2.	As per ta	ble A.1.2.
	As per t	able A.1.2.	As per ta			
			As per ta 10 M @		10 M @	

Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A. 1.

This table is to be used in conjunction with the "Design Limitations." 2.

Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in З. the rebar placement drawing.

4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

6. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required. 7.

Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.





Table A.6.1600. Above Grade Shear Wall Length for Seismic Zone Classification, Sa.ICF > 0.16 and Hourly Wind Pressure, q1/50 ≤ 1.05kPa (in a Building Without Walkout Basement), where Building Area ≤ 1600ft²

Wall Height m (ft)				Seismic Zone	Classification			
	S _{AIC}	, ≤ 0.16	S _{A,ICF}	≤ 0.31	S _{a,ICF}	≤ 0.53	S _{a,ICF}	≤ 0.79
Second Floor Walls of Two Story ICF Stru	cture Supporting Wood Frame Ro	of (TYPE A)						
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided						
2.44 (8)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 7'-2" 2 x 4'-10" 3 x 4'-0"	1 x 7'-2" 2 x 4'-10" 3 x 4'-0"	1 x 8'-10" 2 x 6'-0" 3 x 4'-10"	1 x 9'-2" 2 x 6'-5" 3 x 5'-1"	1 x 10'-0" 2 x 6'-10" 3 x 5'-7"	1 x 10'-0" 2 x 7'-2" 3 x 5'-7"
2.75 (9)	1 x 6'-5" 2 x 3'-7" 3 x 2'-10	1 x 6'-5" 2 x 3'-7" 3 x 2'-10"	1 x 8'-0" 2 x 5'-7" 3 x 4'-6"	1 x 8'-0" 2 x 5'-7" 3 x 4'-6"	1 x 10'-0" 2 x 6'-10" 3 x 5'-7"	1 x 10'-0" 2 x 7'-2" 3 x 5'-7"	1 x 10'-10" 2 x 7'-7" 3 x 6'-0"	1 x 11'-2" 2 x 8'-0" 3 x 6'-5"
3.05 (10)	1 x 6'-5" 2 x 4'-0" 3 x 3'-2"	1 x 6'-5" 2 x 4'-0" 3 x 3'-2"	1 x 8'-10" 2 x 6'-0" 3 x 5'-0"	1 x 9'-2" 2 x 6'-5" 3 x 5'-0"	1 x 10'-10" 2 x 7'-7" 3 x 6'-0"	1 x 11'-2" 2 x 7'-7" 3 x 6'-0"	1 x 12'-0" 2 x 8'-5" 3 x 6'-10"	1 x 12'-5" 2 x 8'-6" 3 x 6'-10'
Main Floor Walls of One Story ICF Struct	ure Supporting Wood Frame Roof	(TYPE B)						
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided						
2.44 (8)		1 x 6'-5" 2 x 3'-2" 3 x 2'-8"		1 x 7'-2" 2 x 4'-5" 3 x 4'-0"			1 x 8'-10" 2 x 6'-5" 3 x 5'-2"	
2.75 (9)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8		1 x 7'-2" 2 x 4'-10" 3 x 4'-6"				1 x 10'-0" 2 x 7'-2" 3 x 5'-7"	
3.05 (10)	1 x 6'-5" 2 x 3'-7" 3 x 2'-10		1 x 8'-0" 2 x 5'-7" 3 x 5'-0"	1 x 8'-10" 2 x 5'-7" 3 x 5'-0"	1 x 10'-0" 2 x 6'-10" 3 x 5'-7"	1 x 10'-5" 2 x 7'-2" 3 x 5'-7"	1 x 11'-2" 2 x 8'-0" 3 x 6'-5"	1 x 11'-7" 2 x 8'-0" 3 x 6'-5"
3.66 (12)	1 x 6'-5" 2 x 4'-3" 3 x 3'-6"		1 x 8'-10" 2 x 6'-0"				1 x 13'-7" 2 x 9'-2" 3 x 7'-7"	
4.27 (14)	1 x 7'-2" 2 x 5'-1" 3 x 4'-0"		1 x 10'-5" 2 x 7'-2" 3 x 7'-0"		1 x 14'-0" 2 x 9'-7" 3 x 7'-7"		1 x 15'-4" 2 x 10'-10" 3 x 8'-10"	
4.88 (16)			1 x 10'-10" 2 x 8'-0"	1 x 12'-4" 2 x 8'-5" 3 x 8'-0"	1 x 15'-2" 2 x 10'-0" 3 x 8'-0"	1 x 16'-6" 2 x 11'-6" 3 x 9'-2"	1 x 17'-7" 2 x 12'-4" 3 x 10'-0"	1 x 18'-6" 2 x 12'-10" 3 x 10'-5
Main Floor Walls of Two Story Structure								
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa					· · · · · · · · · · · · · · · · · · ·		
2.44 (8)		1 x 8'-0" 2 x 5'-2" 3 x 4'-0"					1 x 16'-0" 2 x 11'-2" 3 x 9'-7"	
2.75 (9)	1 x 8'-10" 2 x 5'-7" 3 x 4'-10			1 x 12'-0" 2 x 8'-0" 3 x 6'-5"			1 x 16'-0" 2 x 11'-2" 3 x 9'-7"	
3.05 (10) 3.66 (12)	1 x 8'-10" 2 x 6'-0" 3 x 4'-10 1 x 9'-2" 2 x 6'-5" 3 x 5'-2"		1 x 12'-10" 2 x 8'-10" 3 x 6'-10" 1 x 12'-10" 2 x 9'-2" 3 x 7'-2"	1 x 13'-7" 2 x 8'-10" 3 x 6'-10"	1 x 1/-2" 2 x 11'-/" 3 x 9'-2" 1 x 17'-2" 2 x 12'-0" 3 x 9'-7"	1 x 17'-2" 2 x 11'-7" 3 x 9'-2" 1 x 17'-2" 2 x 12'-0" 3 x 9'-7"	1 x 17'-7" 2 x 12'-0" 3 x 9'-7" 1 x 19'-2" 2 x 13'-2" 3 x 11'-2"	
4.27 (14)		1 x 10'-5" 2 x 7'-2" 3 x 5'-7"					1 x 19 -2 2 x 13 -2 3 x 11 -2 1 x 20'-10" 2 x 14'-5" 3 x 12'-0"	
4.27 (14)		1 x 10'-10" 2 x 7'-2" 3 x 6'-0"						
Main Floor Walls of Two Story ICF Struct			1 1 1 4 -0 2 2 3 -7 3 2 8 -0	1 1 1 2 2 1 1 0 - 5 3 1 8 - 5	1 x 19 - 2 2 x 15 - 2 3 x 10 - 5	1 x 20 -10 2 x 14 -5 3 x 11 -7	1 x 22 -8 2 x 10 -0 3 x 12 -10	1 x 23 - 2 2 x 10 - 0 3 x 13 - 0
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa				o deo milek wan			10 GIL HINCK WOR
2.44 (8)		1 x 10'-0" 2 x 6'-10" 3 x 5'-2"	1 x 13'-7" 2 x 9'-7" 3 x 7'-2"	1 x 14'-5" 2 x 9'-7" 3 x 7'-7"	1 x 16'-10" 2 x 12'-0" 3 x 9'-7"	1 x 17'-7" 2 x 12'-0" 3 x 9'-7"	1 x 18'-5" 2 x 12'-10" 3 x 11'-2"	1 x 19'-4" 2 x 13'-7" 3 x 11'-2'
2.75 (9)	1 x 10'-5" 2 x 7'-2" 3 x 5'-7"		1 x 14'-5" 2 x 10'-5" 3 x 8'-0"				1 x 19'-6" 2 x 13'-7" 3 x 11'-2"	
3.05 (10)	1 x 11'-2" 2 x 7'-2" 3 x 5'-7'	1 x 11'-2" 2 x 8'-0" 3 x 6'-0"	1 x 15'-2" 2 x 10'-5" 3 x 8'-10"	1 x 16'-0" 2 x 11'-2" 3 x 8'-10"	1 x 18'-5" 2 x 12'-10" 3 x 10'-5"	1 x 19'-2" 2 x 13'-7" 3 x 11'-2"	1 x 20'-10" 2 x 14'-5" 3 x 12'-0"	1 x 21'-7" 2 x 15'-2" 3 x 12'-0
3.66 (12)	1 x 11'-2" 2 x 7'-7" 3 x 6'-0'	1 x 12'-10" 2 x 8'-10" 3 x 7'-0"	1 x 16'-0" 2 x 10'-6" 3 x 8'-10"	1 x 18'-5" 2 x 12'-10" 3 x 10'-0"	1 x 20'-4" 2 x 14'-5" 3 x 11'-4"	1 x 21'-0" 2 x 14'-8" 3 x 12'-0"	1 x 22'-6" 2 x 16'-0" 3 x 12'-10'	1 x 24'-0" 2 x 16'-6" 3 x 13'-7
4.27 (14)	1 x 12'-0" 2 x 8'-4" 3 x 6'-5"	1 x 12'-10" 2 x 8'-10" 3 x 7'-0"	1 x 16'-10" 2 x 12'-0" 3 x 9'-7"	1 x 18'-5" 2 x 12'-10" 3 x 10'-0"	1 x 22'-5" 2 x 15'-6" 3 x 12'-5"	1 x 23'-0" 2 x 16'-0" 3 x 12'-10	1 x 24'-10" 2 x 17'-4" 3 x 14'-0"	1 x 26'-0" 2 x 18'-0" 3 x 14'-6
4.88 (16)	1 x 12'-0" 2 x 8'-4" 3 x 6'-5"	1 x 13'-7" 2 x 9'-0" 3 x 7'-2"	1 x 16'-10" 2 x 12'-0" 3 x 9'-7"	1 x 18'-8" 2 x 12'-10" 3 x 10'-4"	1 x 22'-5" 2 x 15'-6" 3 x 12'-5"	1 x 25'-0" 2 x 17'-4" 3 x 14'-0"	1 x 27'-2" 2 x 18'-8" 3 x 15'-2"	1 x 28'-0" 2 x 19'-6" 3 x 16'-0
Vertical ICF with 6" Tie Specing	As per t	able A.2.1.	As per ta	able A.2.1.	As per ta	ble A.2.1.	As per ta	ble A.2.1.
Reinforcement ICF with 8" Tie Specing	As per t	able A.2.2.	As per ta	able A.2.2.	As per ta	ble A.2.2.	As per ta	ble A.2.2.
Horizontal Block Height of 12" and	18" As per t	able A.2.1.	As per ta	able A.2.1.	As per ta	ble A.2.1.	As per ta	ble A.2.1.
Reinforcement Block Height of 16"	As per t	able A.2.2.	As per ta	able A.2.2.	As per ta	ble A.2.2.	As per ta	ble A.2.2.

NOTES:

- Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A. 1.
- This table is to be used in conjunction with the "Design Limitations." 2.
- Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in 3. the rebar placement drawing.
- All four sides of the building are to have a minimum number and length of shear walls that conforms to this table. 4
- Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail. 5.
- 6. 7. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.
- Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.
- 8. Horizontal reinforcement in shear walls where SaLCF > 0.16 must be anchored using a standard 180° hook around vertical end bars.
- 9. When using this table for $S_{a,ICF} \le 0.16$, use the vertical and horizontal distributed steel in Tables A.2.1. or A.2.2.





Table A.7.1600. Above Grade Shear Wall Length for Seismic Zone Classification, $S_{a,ICF} \le 0.16$ and Hourly Wind Pressure, $q1/50 \le 0.5$ kPa (<u>in a Building With Walk Basement</u>), where Building Area ≤ 1600 ft²

Wall Height m (ft)				Classification	-	
	S _{a,ICF}	≤ 0.07	S _{a,ICF}	≤ 0.11	S _{a,ICF}	≤ 0.16
nd Floor Walls of Two Story ICF Struct						
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided	-		-	
2.44 (8)		1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"		
2.75 (9)		1 x 6'-5" 2 x 3'-2" 3 x 2'-8"				
3.05 (10)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-9" 3 x 2'-10"	1 x 6'-5" 2 x 4'-0" 3 x 2'-10'	1 x 7'-7" 2 x 4'-10" 3 x 4'-0"	1 x 8'-5" 2 x 5'-1" 3 x 4
Floor Walls of One Story ICF Structur		(TYPE F)		-		-
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-7" 3 x
2.75 (9)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-7" 3 x 2'-10"	1 x 6'-10" 2 x 4'-0" 3 x 2
3.05 (10)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-7" 3 x 2'-10"	1 x 6'-5" 2 x 3'-7" 3 x 2'-10'	1 x 6'-10" 2 x 4'-5" 3 x 3'-6"	1 x 7'-7" 2 x 4'-6" 3 x
3.66 (12)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-10" 2 x 4'-5" 3 x 3'-6"	1 x 6'-10" 2 x 4'-5" 3 x 3'-6"	1 x 8'-5" 2 x 5'-7" 3 x 4'-5"	1 x 8'-10" 2 x 5'-7" 3 x
4.27 (14)	1 x 6'-5" 2 x 3'-7" 3 x 3'-2"	1 x 6'-5" 2 x 4'-0" 3 x 3'-2"	1 x 8'-0" 2 x 4'-10" 3 x 3'-9"	1 x 8'-5" 2 x 5'-7" 3 x 4'-3"	1 x 9'-2" 2 x 6'-0" 3 x 4'-10"	1 x 10'-0" 2 x 6'-8" 3 x
4.88 (16)	1 x 6'-5" 2 x 4'-0" 3 x 3'-2"	1 x 7'-2" 2 x 4'-5" 3 x 3'-7"	1 x 8'-0" 2 x 5'-2" 3 x 4'-0"	1 x 8'-10" 2 x 6'-0" 3 x 4'-6"	1 x 9'-7" 2 x 6'-5" 3 x 5'-2"	1 x 11'-2" 2 x 7'-6" 3 x 5
Floor Walls of Two Story Structure S	upporting 2nd Story Wood Fram	ed Walls, Floor and Roof (TYPE (G)			
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wal
	Number and length of shear wa	lls provided	-		-	·
2.44 (8)	1 x 6'-5" 2 x 4'-0" 3 x 3'-2"	1 x 6'-5" 2 x 4'-0" 3 x 3'-2"	1 x 8'-0" 2 x 4'-10" 3 x 4'-0"	1 x 8'-0" 2 x 5'-2" 3 x 4'-0"	1 x 10'-0" 2 x 6'-5" 3 x 4'-10"	1 x 10'-5" 2 x 6'-5" 3 x
2.75 (9)	1 x 6'-5" 2 x 4'-0" 3 x 3'-2"	1 x 6'-5" 2 x 4'-0" 3 x 3'-2"	1 x 8'-5" 2 x 5'-2" 3 x 4'-0"	1 x 8'-10" 2 x 5'-7" 3 x 4'-0"	1 x 10'-10" 2 x 6'-10" 3 x 5'-2"	1 x 10'-11" 2 x 7'-2" 3 x
3.05 (10)	1 x 6'-10" 2 x 4'-5" 3 x 3'-6"	1 x 6'-10" 2 x 4'-5" 3 x 3'-6"	1 x 9'-2" 2 x 5'-10" 3 x 4'-10"	1 x 9'-2" 2 x 5'-10" 3 x 4'-10'	1 x 11'-2" 2 x 7'-6" 3 x 5'-10"	1 x 11'-7" 2 x 7'-6" 3 x 5
3.66 (12)	1 x 7'-6" 2 x 5'-1" 3 x 4'-0"	1 x 7'-6" 2 x 5'-1" 3 x 4'-0"	1 x 9'-10" 2 x 6'-8" 3 x 5'-2"	1 x 9'-10" 2 x 6'-8" 3 x 5'-2"	1 x 12'-0" 2 x 8'-3" 3 x 6'-5"	1 x 12'-0" 2 x 8'-3" 3 x
4.27 (14)	1 x 7'-9" 2 x 5'-2" 3 x 4'-3"	1 x 8'-3" 2 x 5'-7" 3 x 4'-3"	1 x 10'-2" 2 x 6'-10" 3 x 5'-7"	1 x 10'-10" 2 x 7'-2" 3 x 5'-7"	1 x 12'-5" 2 x 8'-5" 3 x 6'-10"	1 x 13'-1" 2 x 9'-1" 3 x
4.88 (16)	1 x 8'-0" 2 x 5'-7" 3 x 4'-5"	1 x 8'-10" 2 x 5'-10" 3 x 4'-6"	1 x 10'-5" 2 x 7'-2" 3 x 6'-0"	1 x 11'-2" 2 x 7'-7" 3 x 6'-0"	1 x 12'-5" 2 x 8'-5" 3 x 6'-10"	1 x 13'-7" 2 x 9'-2" 3 x
Floor Walls of Two Story ICF Structur	e Supporting Wood Frame Floor	s and Roof (TYPE H)	V i Vi	N N	V V	V V
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided	-	•	-	·
2.44 (8)	1 x 7'-6" 2 x 4'-10" 3 x 3'-7"	1 x 8'-0" 2 x 5'-1" 3 x 4'-0"	1 x 10'-0" 2 x 6'-5" 3 x 4'-10"	1 x 10'-8" 2 x 6'-10" 3 x 5'-2"	1 x 12'-10" 2 x 8'-0" 3 x 6'-5"	1 x 13'-2" 2 x 8'-10" 3 x 6
2.75 (9)		1 x 8'-10" 2 x 5'-2" 3 x 4'-0"				
3.05 (10)	1 x 8'-3" 2 x 5'-2" 3 x 4'-0"	1 x 8'-10" 2 x 5'-7" 3 x 4'-5"	1 x 10'-11" 2 x 7'-2" 3 x 5'-7"	1 x 12'-0" 2 x 7'-7" 3 x 6'-0"	1 x 14'-0" 2 x 9'-2" 3 x 7'-2"	1 x 14'-10" 2 x 9'-7" 3 x
3.66 (12)	1 x 9'-2" 2 x 6'-0" 3 x 4'-10	1 x 9'-2" 2 x 6'-0" 3 x 4'-10"	1 x 11'-7" 2 x 8'-0" 3 x 6'-2"	1 x 12'-0" 2 x 8'-0" 3 x 6'-2"	1 x 14'-5" 2 x 9'-10" 3 x 7'-9"	1 x 15'-2" 2 x 9'-10" 3 x
4.27 (14)	1 x 9'-2" 2 x 6'-5" 3 x 5'-2"	1 x 10'-0" 2 x 6'-10" 3 x 5'-7"	1 x 12'-0" 2 x 8'-0" 3 x 6'-5"	1 x 13'-2" 2 x 8'-10" 3 x 7'-2"	1 x 14'-8" 2 x 10'-0" 3 x 8'-0"	1 x 16'-10" 2 x 10'-10" 3 x 8
4.88 (16)	1 x 9'-2" 2 x 6'-5" 3 x 5'-2"	1 x 10'-5" 2 x 7'-2" 3 x 5'-7"	1 x 12'-0" 2 x 8'-0" 3 x 6'-5"	1 x 14'-0" 2 x 9'-7" 3 x 7'-2"	1 x 14'-8" 2 x 10'-0" 3 x 8'-0"	1 x 16'-10" 2 x 11'-6" 3 x 1
Vertical ICF with 6" Tie Specing	As per t	able A.1.1.	As per ta	ble A.1.1.	As per ta	ble A.1.1.
forcement ICF with 8" Tie Specing		able A.1.2.		ble A.1.2.		ble A.1.2.
	" 10 M @	450 (18)	10 M @	450 (18)	10 M @	450 (18)
orizontal Block Height of 12" and 18						

1. $S_{a,ICF}$ is equivalent spectral response acceleration for ICF walls as provided in Appendix A.

2. This table is to be used in conjunction with the "Design Limitations."

3. Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in the rebar placement drawing.

4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

6. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.

8. Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.





Table A.8.1600. Above Grade Shear Wall Length for Seismic Zone Classification, $S_{a,ICF} \le 0.16$ and Hourly Wind Pressure, 0.5kPa < q1/50 ≤ 0.75kPa (in a Building With Walkout Basement), where Building Area ≤ 1600ft²

Wall Height m (ft)							Se		Classificati	on							
			≤ 0.07					S _{a,ICF}	≤ 0.11					S _{a,ICF}	≤ 0.16		
cond Floor Walls of Two Story ICF Str																	
	6" & 8" Th	ick Wall	10" 8	& 12" Thick	Wall	6" 8	8" Thick	Nall	10" 8	& 12" Thick	Wall	6" 8	& 8" Thick \	Wall	10" 8	12" Thick	Wall
	Number and lengt																
2.44 (8)	1 x 6'-5" 2 x 3'	-2" 3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 4'-0"	3 x 3'-2"	1 x 6'-5"	2 x 4'-0"	3 x 3'
2.75 (9)	1 x 6'-5" 2 x 3'	-2" 3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-6"	3 x 2'-8"	1 x 6'-10"	2 x 4'-3"	3 x 3'-6"	1 x 7'-6"	2 x 4'-5"	3 x 3'
3.05 (10)	1 x 6'-5" 2 x 3'	-2" 3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 4'-0"	3 x 3'-2"	1 x 6'-5"	2 x 4'-0"	3 x 2'-10"	1 x 8'-0"	2 x 5'-2"	3 x 4'-0"	1 x 8'-5"	2 x 5'-1"	3 x 4
in Floor Walls of One Story ICF Struc	ure Supporting Woo	l Frame Roof	(TYPE F)														
	6" & 8" Th	ick Wall	10" 8	& 12" Thick	Wall	6" 8	8" Thick	Nall	10" 8	& 12" Thick	Wall	6" 8	& 8" Thick \	Wall	10" 8	12" Thick	Wall
	Number and lengt	h of shear wa	lls provided														
2.44 (8)	1 x 6'-5" 2 x 3'	-2" 3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-7"	3 x 2'-8"	1 x 6'-5"	2 x 3'-7"	3 x 2
2.75 (9)	1 x 6'-5" 2 x 3'	-2" 3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-7"	3 x 2'-10"	1 x 6'-10"	2 x 4'-0"	3 x 2'
3.05 (10)	1 x 6'-5" 2 x 3'	-2" 3 x 2'-8"	1 x 6'-5"	2 x 3'-2"	3 x 2'-8"	1 x 6'-5"	2 x 3'-7"	3 x 2'-10"	1 x 6'-5"	2 x 3'-7"	3 x 2'-10"	1 x 7'-2"	2 x 4'-10"	3 x 3'-7"	1 x 7'-7"	2 x 4'-6"	3 x 3
3.66 (12)	1 x 6'-5" 2 x 3'	-2" 3 x 2'-8"	1 x 6'-5"	2 x 3'-6"	3 x 2'-8"	1 x 6'-10"	2 x 4'-5"	3 x 3'-6"	1 x 6'-11"	2 x 4'-6"	3 x 3'-6"	1 x 8'-5"	2 x 5'-7"	3 x 4'-5"	1 x 8'-10"	2 x 5'-7"	3 x 4
4.27 (14)	1 x 6'-5" 2 x 3'	-7" 3 x 3'-2"	1 x 6'-5"	2 x 4'-0"	3 x 3'-2"	1 x 8'-0"	2 x 4'-10"	3 x 3'-9"	1 x 8'-5"	2 x 5'-7"	3 x 4'-3"	1 x 9'-2"	2 x 6'-0"	3 x 4'-10"	1 x 10'-0"	2 x 6'-8"	3 x 5
4.88 (16)	1 x 6'-5" 2 x 4'	-0" 3 x 3'-2"	1 x 7'-2"	2 x 4'-5"	3 x 3'-7"	1 x 8'-0"	2 x 5'-2"	3 x 4'-0"	1 x 8'-10"	2 x 6'-0"	3 x 4'-6"	1 x 9'-7"	2 x 6'-5"	3 x 5'-2"	1 x 11'-2"	2 x 7'-6"	3 x 5'
in Floor Walls of Two Story Structur	Supporting 2nd Stor	y Wood Fram	ed Walls, F	loor and Re	oof (TYPE G	i)											
	6" & 8" Th	ick Wall	10" 8	& 12" Thick	Wall	6" 8	8" Thick	Wall	10" 8	& 12" Thick	Wall	6" 8	& 8" Thick \	Wall	10" 8	12" Thick	Wall
	Number and lengt	h of shear wa	lls provided														
2.44 (8)	1 x 6'-5" 2 x 4'	-0" 3 x 3'-2"	1 x 6'-5"	2 x 4'-0"	3 x 3'-2"	1 x 8'-3"	2 x 5'-4"	3 x 4'-3"	1 x 8'-0"	2 x 5'-2"	3 x 4'-0"	1 x 10'-5"	2 x 6'-10"	3 x 5'-2"	1 x 10'-5"	2 x 6'-5"	3 x 5
2.75 (9)	1 x 6'-5" 2 x 4'	-0" 3 x 3'-2"	1 x 6'-5"	2 x 4'-0"	3 x 3'-2"	1 x 8'-5"	2 x 5'-4"	3 x 4'-0"	1 x 8'-10"	2 x 5'-7"	3 x 4'-0"	1 x 10'-10"	2 x 6'-10"	3 x 5'-2"	1 x 10'-11"	2 x 7'-2"	3 x 5
3.05 (10)	1 x 6'-11" 2 x 4'	-6" 3 x 3'-6"	1 x 6'-10"	2 x 4'-5"	3 x 3'-6"	1 x 9'-2"	2 x 6'-0"	3 x 4'-10"	1 x 9'-2"	2 x 5'-10"	3 x 4'-10"	1 x 11'-6"	2 x 7'-7"	3 x 5'-10"	1 x 11'-7"	2 x 7'-6"	3 x 5'
3.66 (12)	1 x 7'-6" 2 x 5'	-1" 3 x 4'-0"	1 x 7'-6"	2 x 5'-1"	3 x 4'-0"	1 x 9'-10"	2 x 6'-8"	3 x 5'-2"	1 x 9'-10"	2 x 6'-8"	3 x 5'-2"	1 x 12'-0"	2 x 8'-3"	3 x 6'-5"	1 x 12'-0"	2 x 8'-3"	3 x 6
4.27 (14)	1 x 7'-9" 2 x 5'	-2" 3 x 4'-3"	1 x 8'-3"	2 x 5'-7"	3 x 4'-3"	1 x 10'-2"	2 x 6'-10"	3 x 5'-7"	1 x 10'-10"	2 x 7'-2"	3 x 5'-7"	1 x 12'-5"	2 x 8'-5"	3 x 6'-10"	1 x 13'-1"	2 x 9'-1"	3 x 7
4.88 (16)	1 x 8'-0" 2 x 5'	-7" 3 x 4'-5"	1 x 8'-10"	2 x 5'-10"	3 x 4'-6"	1 x 10'-5"	2 x 7'-2"	3 x 6'-0"	1 x 11'-2"	2 x 7'-7"	3 x 6'-0"	1 x 12'-5"	2 x 8'-5"	3 x 6'-10"	1 x 13'-7"	2 x 9'-2"	3 x 7
n Floor Walls of Two Story ICF Struc	ure Supporting Woo	d Frame Floor	s and Roof	(TYPE H)		V	V		∇	V		V		V	\sim		V
	6" & 8" Th	ick Wall	10" 8	& 12" Thick	Wall	6" 8	8" Thick	Wall	10" 8	& 12" Thick	Wall	6" 8	& 8" Thick \	Wall	10" 8	12" Thick	Wall
	Number and lengt	h of shear wa	lls provided														
2.44 (8)	1 x 7'-6" 2 x 4'-	10" 3 x 3'-9"	1 x 8'-0"	2 x 5'-1"	3 x 4'-0"	1 x 10'-0"	2 x 6'-5"	3 x 5'-1"	1 x 10'-8"	2 x 6'-10"	3 x 5'-2"	1 x 12'-10"	2 x 8'-0"	3 x 6'-5"	1 x 13'-2"	2 x 8'-10"	3 x 6'
			4 01 4 01				a ci oli	3 x 5'-2"	1 x 11'-2"	2 x 7'-2"	3 x 5'-7"	1 x 13'-2"	2 x 8'-10"	3 x 6'-10"	1 x 14'-0"	2 x 9'-2"	3 x 7
2.75 (9)	1 x 7'-9" 2 x 5'	-2" 3 x 3'-9"	1 X 8 -10	2 x 5'-2"	3 x 4'-0"	1 x 10'-5"	2 X 6 -8										3 x 7
	1 x 7'-9" 2 x 5' 1 x 8'-10" 2 x 5'					1 x 10'-5" 1 x 11'-2"						1 x 14'-0"	2 x 9'-2"	3 x 7'-2"	1 x 14'-10"	2 x 9'-7"	
2.75 (9)		-7" 3 x 4'-5"	1 x 8'-10"	2 x 5'-7"	3 x 4'-5"		2 x 7'-7"	3 x 5'-10"	1 x 12'-0"	2 x 7'-7"	3 x 6'-0"	1 x 14'-0" 1 x 14'-5"		-			
2.75 (9) 3.05 (10)	1 x 8'-10" 2 x 5'	-7" 3 x 4'-5" -0" 3 x 4'-10	1 x 8'-10" 1 x 9'-2"	2 x 5'-7" 2 x 6'-2"	3 x 4'-5" 3 x 4'-10"	1 x 11'-2" 1 x 11'-7"	2 x 7'-7" 2 x 8'-0"	3 x 5'-10" 3 x 6'-2"	1 x 12'-0" 1 x 12'-0"	2 x 7'-7" 2 x 8'-0"	3 x 6'-0" 3 x 6'-5"		2 x 9'-10"	3 x 7'-9"	1 x 15'-2"	2 x 10'-0"	3 x 8
2.75 (9) 3.05 (10) 3.66 (12)	1 x 8'-10" 2 x 5' 1 x 9'-2" 2 x 6'	-7" 3 x 4'-5" -0" 3 x 4'-10" -5" 3 x 5'-2"	1 x 8'-10" 1 x 9'-2" 1 x 10'-0"	2 x 5'-7" 2 x 6'-2" 2 x 6'-10"	3 x 4'-5" 3 x 4'-10" 3 x 5'-7"	1 x 11'-2" 1 x 11'-7" 1 x 12'-0"	2 x 7'-7" 2 x 8'-0" 2 x 8'-0"	3 x 5'-10" 3 x 6'-2" 3 x 6'-5"	1 x 12'-0" 1 x 12'-0" 1 x 13'-2"	2 x 7'-7" 2 x 8'-0" 2 x 8'-10"	3 x 6'-0" 3 x 6'-5" 3 x 7'-2"	1 x 14'-5" 1 x 14'-8"	2 x 9'-10" 2 x 10'-0"	3 x 7'-9" 3 x 8'-0"	1 x 15'-2" 1 x 16'-10"	2 x 10'-0" 2 x 10'-10"	3 x 8 3 x 8
2.75 (9) 3.05 (10) 3.66 (12) 4.27 (14)	1 x 8'-10" 2 x 5' 1 x 9'-2" 2 x 6' 1 x 9'-2" 2 x 6'	-7" 3 x 4'-5" -0" 3 x 4'-10" -5" 3 x 5'-2" -5" 3 x 5'-2"	1 x 8'-10" 1 x 9'-2" 1 x 10'-0"	2 x 5'-7" 2 x 6'-2" 2 x 6'-10"	3 x 4'-5" 3 x 4'-10" 3 x 5'-7"	1 x 11'-2" 1 x 11'-7" 1 x 12'-0"	2 x 7'-7" 2 x 8'-0" 2 x 8'-0"	3 x 5'-10" 3 x 6'-2" 3 x 6'-5" 3 x 6'-5"	1 x 12'-0" 1 x 12'-0" 1 x 13'-2"	2 x 7'-7" 2 x 8'-0" 2 x 8'-10"	3 x 6'-0" 3 x 6'-5" 3 x 7'-2"	1 x 14'-5" 1 x 14'-8"	2 x 9'-10" 2 x 10'-0"	3 x 7'-9" 3 x 8'-0"	1 x 15'-2" 1 x 16'-10" 1 x 16'-10"	2 x 10'-0" 2 x 10'-10"	3 x 8 3 x 8
2.75 (9) 3.05 (10) 3.66 (12) 4.27 (14) 4.88 (16) Vertical ICF with 6" Tie Specing	1 x 8'-10" 2 x 5' 1 x 9'-2" 2 x 6' 1 x 9'-2" 2 x 6'	-7" 3 x 4'-5" -0" 3 x 4'-10" -5" 3 x 5'-2" -5" 3 x 5'-2" As per t	1 x 8'-10" 1 x 9'-2" 1 x 10'-0" 1 x 10'-5"	2 x 5'-7" 2 x 6'-2" 2 x 6'-10"	3 x 4'-5" 3 x 4'-10" 3 x 5'-7"	1 x 11'-2" 1 x 11'-7" 1 x 12'-0"	2 x 7'-7" 2 x 8'-0" 2 x 8'-0"	3 x 5'-10" 3 x 6'-2" 3 x 6'-5" 3 x 6'-5" As per ta	1 x 12'-0" 1 x 12'-0" 1 x 13'-2" 1 x 14'-0"	2 x 7'-7" 2 x 8'-0" 2 x 8'-10"	3 x 6'-0" 3 x 6'-5" 3 x 7'-2"	1 x 14'-5" 1 x 14'-8"	2 x 9'-10" 2 x 10'-0"	3 x 7'-9" 3 x 8'-0" 3 x 8'-0"	1 x 15'-2" 1 x 16'-10" 1 x 16'-10" ble A.1.1.	2 x 10'-0" 2 x 10'-10"	3 x 8 3 x 8
2.75 (9) 3.05 (10) 3.66 (12) 4.27 (14) 4.88 (16) Vertical ICF with 6" Tie Specing	1 x 8'-10" 2 x 5' 1 x 9'-2" 2 x 6' 1 x 9'-2" 2 x 6' 1 x 9'-2" 2 x 6'	-7" 3 x 4'-5" -0" 3 x 4'-10" -5" 3 x 5'-2" -5" 3 x 5'-2" As per t	1 x 8'-10" 1 x 9'-2" 1 x 10'-0" 1 x 10'-5" able A.1.1. able A.1.2.	2 x 5'-7" 2 x 6'-2" 2 x 6'-10"	3 x 4'-5" 3 x 4'-10" 3 x 5'-7"	1 x 11'-2" 1 x 11'-7" 1 x 12'-0"	2 x 7'-7" 2 x 8'-0" 2 x 8'-0"	3 x 5'-10" 3 x 6'-2" 3 x 6'-5" 3 x 6'-5" As per ta	1 x 12'-0" 1 x 12'-0" 1 x 13'-2" 1 x 14'-0" ble A.1.1. ble A.1.2.	2 x 7'-7" 2 x 8'-0" 2 x 8'-10"	3 x 6'-0" 3 x 6'-5" 3 x 7'-2"	1 x 14'-5" 1 x 14'-8"	2 x 9'-10" 2 x 10'-0"	3 x 7'-9" 3 x 8'-0" 3 x 8'-0" As per ta	1 x 15'-2" 1 x 16'-10" 1 x 16'-10" ble A.1.1. ble A.1.2.	2 x 10'-0" 2 x 10'-10"	3 x 8 3 x 8'

 $S_{a,\text{ICF}}$ is equivalent spectral response acceleration for ICF walls as provided in Appendix A. This table is to be used in conjunction with the "Design Limitations." 1.

2

Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in 3. the rebar placement drawing.

All four sides of the building are to have a minimum number and length of shear walls that conforms to this table. 4.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

6. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

7. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.

Concentrated reinforcement is to be placed in accordance with Bar Placement Detail. 8





Table A.9.1600. Above Grade Shear Wall Length for Seismic Zone Classification, Sa,ICF ≤ 0.16 and Hourly Wind Pressure, 0.75kPa < $q1/50 \le 1.05$ kPa (in a Building With Walkout Basement), where Building Area ≤ 1600ft²

Wall Height m (ft)				Classification		
	S _{a,ICF}	≤ 0.07	S _{a,ICF}	≤ 0.11	S _{a,ICF}	≤ 0.16
cond Floor Walls of Two Story ICF Str	ucture Supporting Wood Frame Ro	of (TYPE E)				
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 4'-0" 3 x 3'-2"	1 x 6'-5" 2 x 4'-0" 3 x 3'-
2.75 (9)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-6" 3 x 2'-8"	1 x 6'-5" 2 x 3'-9" 3 x 2'-10"	1 x 6'-10" 2 x 4'-3" 3 x 3'-6"	1 x 7'-6" 2 x 4'-10" 3 x 3'
3.05 (10)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 4'-0" 3 x 3'-2"	1 x 6'-5" 2 x 4'-0" 3 x 2'-11"	1 x 8'-0" 2 x 5'-2" 3 x 4'-0"	1 x 8'-5" 2 x 5'-1" 3 x 4'
in Floor Walls of One Story ICF Struc	ure Supporting Wood Frame Roof	(TYPE F)				
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-7" 3 x 2'-8"	1 x 6'-5" 2 x 3'-7" 3 x 2
2.75 (9)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-6" 3 x 2'-8"	1 x 6'-5" 2 x 3'-9" 3 x 2'-11"	1 x 6'-10" 2 x 4'-3" 3 x 3
3.05 (10)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-7" 3 x 2'-10"	1 x 6'-5" 2 x 3'-7" 3 x 2'-10"	1 x 7'-2" 2 x 4'-10" 3 x 3'-7"	1 x 7'-7" 2 x 4'-6" 3 x 3
3.66 (12)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-6" 3 x 2'-8"	1 x 6'-10" 2 x 4'-5" 3 x 3'-6"	1 x 6'-11" 2 x 4'-6" 3 x 3'-6"	1 x 8'-5" 2 x 5'-7" 3 x 4'-5"	1 x 8'-10" 2 x 5'-7" 3 x 4
4.27 (14)	1 x 6'-5" 2 x 3'-7" 3 x 3'-2"	1 x 6'-5" 2 x 4'-0" 3 x 3'-2"	1 x 8'-0" 2 x 4'-10" 3 x 3'-9"	1 x 8'-5" 2 x 5'-7" 3 x 4'-3"	1 x 9'-2" 2 x 6'-0" 3 x 4'-10"	1 x 10'-0" 2 x 6'-8" 3 x 5
4.88 (16)	1 x 6'-5" 2 x 4'-0" 3 x 3'-2"	1 x 7'-2" 2 x 4'-5" 3 x 3'-7"	1 x 8'-0" 2 x 5'-2" 3 x 4'-0"	1 x 8'-10" 2 x 6'-0" 3 x 4'-6"	1 x 9'-7" 2 x 6'-5" 3 x 5'-2"	1 x 11'-2" 2 x 7'-6" 3 x 5'
in Floor Walls of Two Story Structur	Supporting 2nd Story Wood Fram	ed Walls, Floor and Roof (TYPE O	ā)			
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 6'-5" 2 x 4'-0" 3 x 3'-2"	1 x 6'-5" 2 x 4'-0" 3 x 3'-2"	1 x 8'-3" 2 x 5'-4" 3 x 4'-3"	1 x 8'-0" 2 x 5'-2" 3 x 4'-0"	1 x 10'-5" 2 x 6'-10" 3 x 5'-2"	1 x 10'-5" 2 x 6'-5" 3 x 5'
2.75 (9)	1 x 6'-5" 2 x 4'-0" 3 x 3'-2"	1 x 6'-8" 2 x 4'-3" 3 x 3'-2"	1 x 8'-5" 2 x 5'-4" 3 x 4'-0"	1 x 8'-10" 2 x 5'-7" 3 x 4'-5"	1 x 10'-10" 2 x 6'-10" 3 x 5'-2"	1 x 10'-11" 2 x 7'-2" 3 x 5
3.05 (10)	1 x 6'-11" 2 x 4'-6" 3 x 3'-6"	1 x 6'-10" 2 x 4'-5" 3 x 3'-6"	1 x 9'-2" 2 x 6'-0" 3 x 4'-10"	1 x 9'-2" 2 x 5'-10" 3 x 4'-10"	1 x 11'-6" 2 x 7'-7" 3 x 5'-10"	1 x 11'-7" 2 x 7'-6" 3 x 5'
3.66 (12)	1 x 7'-6" 2 x 5'-1" 3 x 4'-0"	1 x 7'-6" 2 x 5'-1" 3 x 4'-0"	1 x 9'-10" 2 x 6'-8" 3 x 5'-2"	1 x 9'-10" 2 x 6'-8" 3 x 5'-2"	1 x 12'-0" 2 x 8'-3" 3 x 6'-5"	1 x 12'-0" 2 x 8'-3" 3 x 6
4.27 (14)	1 x 7'-9" 2 x 5'-2" 3 x 4'-3"	1 x 8'-3" 2 x 5'-7" 3 x 4'-3"	1 x 10'-2" 2 x 6'-10" 3 x 5'-7"	1 x 10'-10" 2 x 7'-2" 3 x 5'-7"	1 x 12'-5" 2 x 8'-5" 3 x 6'-10"	1 x 13'-1" 2 x 9'-1" 3 x 7
4.88 (16)	1 x 8'-0" 2 x 5'-7" 3 x 4'-5"	1 x 8'-10" 2 x 5'-10" 3 x 4'-6"	1 x 10'-5" 2 x 7'-2" 3 x 6'-0"	1 x 11'-2" 2 x 7'-7" 3 x 6'-0"	1 x 12'-5" 2 x 8'-5" 3 x 6'-10"	1 x 13'-7" 2 x 9'-2" 3 x 7
in Floor Walls of Two Story ICF Struc	ture Supporting Wood Frame Floor	s and Roof (TYPE H)	\sim	$\overline{\mathbf{v}}$		
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa					
2.44 (8)	1 x 7'-6" 2 x 4'-10" 3 x 3'-9"	1 x 8'-0" 2 x 5'-1" 3 x 4'-0"	1 x 10'-0" 2 x 6'-5" 3 x 5'-1"	1 x 10'-8" 2 x 6'-10" 3 x 5'-2"	1 x 12'-10" 2 x 8'-0" 3 x 6'-5"	1 x 13'-2" 2 x 8'-10" 3 x 6'
2.75 (9)	1 x 7'-9" 2 x 5'-2" 3 x 3'-9"	1 x 8'-10" 2 x 5'-7" 3 x 4'-3"				
3.05 (10)	1 x 8'-10" 2 x 5'-7" 3 x 4'-5"					
3.66 (12)		1 x 9'-2" 2 x 6'-2" 3 x 4'-10"				
4.27 (14)		1 x 10'-0" 2 x 6'-10" 3 x 5'-7"				
4.88 (16)	1 x 9'-2" 2 x 6'-5" 3 x 5'-2"	1 x 10'-5" 2 x 7'-2" 3 x 5'-7"	1 x 12'-0" 2 x 8'-0" 3 x 6'-5"	1 x 14'-0" 2 x 9'-7" 3 x 7'-2"	1 x 14'-8" 2 x 10'-0" 3 x 8'-0"	1 x 16'-10" 2 x 11'-6" 3 x 9
Vertical ICF with 6" Tie Specing	As per t	able A.1.1.	As per ta	able A.1.1.	As per ta	ble A.1.1.
einforcement ICF with 8" Tie Specing		able A.1.2.	As per ta	able A.1.2.	As per ta	ble A.1.2.
				450 (40)	10 M @	450 (18)
Horizontal Block Height of 12" and	18" 10 M @	9 450 (18)	10 M @	450 (18)	10 10 @	430 (10)

Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A. 1.

This table is to be used in conjunction with the "Design Limitations." 2.

Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in З. the rebar placement drawing.

4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

6. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required. 7.

Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.





Table A.10.1600. Above Grade Shear Wall Length for Seismic Zone Classification, Sa,ICF > 0.16 and Hourly Wind Pressure, q1/50 ≤ 1.05kPa (in a Building With Walkout Basement), where Building Area ≤ 1600ft²

Wall Height m (ft)				Colorado Zono	Classification			
	S	≤ 0.16	S	≤ 0.31		≤ 0.53	Sale	< 0.79
nd Floor Walls of Two Story ICF Struc			54,0	2000	54,0	20.55	340	2005
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	lls provided		•				
2.44 (8)	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 7'-2" 2 x 4'-10" 3 x 4'-0"	1 x 7'-2" 2 x 4'-10" 3 x 4'-0"	1 x 8'-10" 2 x 6'-0" 3 x 4'-10"	1 x 9'-2" 2 x 6'-5" 3 x 5'-1"	1 x 10'-0" 2 x 6'-10" 3 x 5'-7"	1 x 10'-0" 2 x 7'-2" 3 x
2.75 (9)		1 x 6'-5" 2 x 3'-7" 3 x 2'-10"						
3.05 (10)		1 x 6'-5" 2 x 4'-0" 3 x 3'-2"						
Floor Walls of One Story ICF Structu			140 10 12 20 0 1345 0	1.01 12.00 10.000	1.10 10 2.17 7 3.000	1411 1 1247 7 1340 0	1411 0 140 5 1540 10	1.11 5 1.000 5.0
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa							
2.44 (8)		1 x 6'-5" 2 x 3'-2" 3 x 2'-8"	1 x 7'-2" 2 x 4'-0"	1 x 7'-2" 2 x 4'-5" 3 x 4'-0"	1 x 8'-0" 2 x 5'-7" 3 x 4'-5"	1 x 8'-5" 2 x 5'-7" 3 x 4'-5"	1 x 8'-10" 2 x 6'-5" 3 x 5'-2"	1 x 9'-7" 2 x 6'-5" 3 x
2.75 (9)	1x6'-5" 2x3'-2" 3x2'-8"		1 x 7'-2" 2 x 4'-10" 3 x 4'-6"	1 x 8'-0" 2 x 4'-10" 3 x 4'-6"	1 x 9'-2" 2 x 6'-5" 3 x 4'-10"		1 x 10'-0" 2 x 7'-2" 3 x 5'-7"	1 x 10'-5" 2 x 7'-2" 3 x
3.05 (10)	1 x 6'-5" 2 x 3'-7" 3 x 2'-10		1 x 8'-0" 2 x 5'-7" 3 x 5'-0"		1 x 10'-0" 2 x 6'-10" 3 x 5'-7"			
3.66 (12)	1 x 6'-5" 2 x 4'-3" 3 x 3'-6"					1 x 12'-5" 2 x 8'-5" 3 x 6'-10"		
4.27 (14)	1 x 7'-2" 2 x 5'-1" 3 x 4'-0"	1 x 7'-7" 2 x 5'-2" 3 x 4'-0"	1 x 10'-5" 2 x 7'-2" 3 x 7'-0"	1 x 10'-10" 2 x 7'-4" 3 x 7'-0"	1 x 14'-0" 2 x 9'-7" 3 x 7'-7"	1 x 14'-5" 2 x 10'-0" 3 x 8'-0"	1 x 15'-4" 2 x 10'-10" 3 x 8'-10"	1 x 16'-4" 2 x 11'-2" 3 x
4.88 (16)	1 x 7'-7" 2 x 5'-2" 3 x 4'-4"	1 x 8'-6" 2 x 5'-10" 3 x 4'-6"	1 x 10'-10" 2 x 8'-0"	1 x 12'-4" 2 x 8'-5" 3 x 8'-0"	1 x 15'-2" 2 x 10'-0" 3 x 8'-0"	1 x 16'-6" 2 x 11'-6" 3 x 9'-2"	1 x 17'-7" 2 x 12'-4" 3 x 10'-0"	1 x 18'-6" 2 x 12'-10" 3 x 3
Floor Walls of Two Story Structure S	upporting 2nd Story Wood Fram	ed Walls, Floor and Roof (TYPE O	3)					
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	lls provided						
2.44 (8)	1 x 8'-0" 2 x 5'-2" 3 x 4'-0"	1 x 8'-0" 2 x 5'-2" 3 x 4'-0"	1 x 11'-2" 2 x 7'-7" 3 x 6'-0"	1 x 11'-2" 2 x 7'-7" 3 x 6'-0"	1 x 15'-2" 2 x 10'-5" 3 x 8'-10"	1 x 15'-2" 2 x 10'-5" 3 x 8'-10"	1 x 16'-0" 2 x 11'-2" 3 x 9'-7"	1 x 16'-0" 2 x 11'-2" 3 x
2.75 (9)	1 x 8'-10" 2 x 5'-7" 3 x 4'-10"	1 x 8'-10" 2 x 5'-7" 3 x 4'-10"	1 x 12'-0" 2 x 8'-0" 3 x 6'-5"	1 x 12'-0" 2 x 8'-0" 3 x 6'-5"	1 x 16'-5" 2 x 11'-2" 3 x 8'-10"	1 x 16'-5" 2 x 11'-2" 3 x 8'-10"	1 x 16'-0" 2 x 11'-2" 3 x 9'-7"	1 x 16'-0" 2 x 11'-2" 3 x
3.05 (10)	1 x 8'-10" 2 x 6'-0" 3 x 4'-10	1 x 8'-10" 2 x 6'-0" 3 x 4'-10"	1 x 12'-10" 2 x 8'-10" 3 x 6'-10"	1 x 13'-7" 2 x 8'-10" 3 x 6'-10"	1 x 17'-2" 2 x 11'-7" 3 x 9'-2"	1 x 17'-2" 2 x 11'-7" 3 x 9'-2"	1 x 17'-7" 2 x 12'-0" 3 x 9'-7"	1 x 17'-7" 2 x 12'-0" 3 x
3.66 (12)	1 x 9'-2" 2 x 6'-5" 3 x 5'-2"	1 x 10'-5" 2 x 7'-2" 3 x 5'-7"	1 x 12'-10" 2 x 9'-2" 3 x 7'-2"	1 x 14'-10" 2 x 10'-0" 3 x 8'-0"	1 x 17'-2" 2 x 12'-0" 3 x 9'-7"	1 x 17'-2" 2 x 12'-0" 3 x 9'-7"	1 x 19'-2" 2 x 13'-2" 3 x 11'-2"	1 x 19'-2" 2 x 13'-2" 3 x 1
4.27 (14)		1 x 10'-5" 2 x 7'-2" 3 x 5'-7"			1 x 19'-2" 2 x 13'-2" 3 x 10'-5"	1 x 19'-2" 2 x 13'-2" 3 x 10'-5"	1 x 20'-10" 2 x 14'-5" 3 x 12'-0"	1 x 20'-10" 2 x 14'-6" 3 x :
4.88 (16)		1 x 10'-10" 2 x 7'-2" 3 x 6'-0"	1 x 14'-0" 2 x 9'-7" 3 x 8'-0"	1 x 15'-2" 2 x 10'-5" 3 x 8'-5"	1 x 19'-2" 2 x 13'-2" 3 x 10'-5"	1 x 20'-10" 2 x 14'-5" 3 x 11'-7"	1 x 22'-8" 2 x 16'-0" 3 x 12'-10"	1 x 23'-2" 2 x 16'-0" 3 x 3
Floor Walls of Two Story ICF Structu	e Supporting Wood Frame Floor	s and Roof (TYPE H)						
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal							
2.44 (8)		1 x 10'-0" 2 x 6'-10" 3 x 5'-2"			1 x 16'-10" 2 x 12'-0" 3 x 9'-7"	1 x 17'-7" 2 x 12'-0" 3 x 9'-7"	1 x 18'-5" 2 x 12'-10" 3 x 11'-2"	
2.75 (9)	1 x 10'-5" 2 x 7'-2" 3 x 5'-7"				1 x 17'-7" 2 x 12'-4" 3 x 10'-5"			
3.05 (10)	1 x 11'-2" 2 x 7'-2" 3 x 5'-7"			1 x 16'-0" 2 x 11'-2" 3 x 8'-10"				
3.66 (12)	1 x 11'-2" 2 x 7'-7" 3 x 6'-0"			1 x 18'-5" 2 x 12'-10" 3 x 10'-0"				
4.27 (14)						1 x 23'-0" 2 x 16'-0" 3 x 12'-10"		
4.88 (16)		1 x 13'-7" 2 x 9'-0" 3 x 7'-2"						
Vertical ICF with 6" Tie Specing		able A.2.1.		able A.2.1.		ble A.2.1.	As per ta	
nforcement ICF with 8" Tie Specing		able A.2.2.		able A.2.2.		ble A.2.2.	As per ta	
orizontal Block Height of 12" and 18		able A.2.1.		able A.2.1.		ble A.2.1.	As per ta	
nforcement Block Height of 16"		able A.2.2.		able A.2.2.		ble A.2.2.	As per ta	

DTES

1.

2

S_{altCF} is equivalent spectral response acceleration for ICF walls as provided in Appendix A. This table is to be used in conjunction with the "Design Limitations." Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in 3. the rebar placement drawing.

All four sides of the building are to have a minimum number and length of shear walls that conforms to this table. 4.

5. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

- All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required. 6.
- 7. Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.
- Horizontal reinforcement in shear walls where Salce > 0.16 must be anchored using a standard 180° hook around vertical end bars. 8. 9. When using this table for $S_{a,ICF} \leq 0.16$, use the vertical and horizontal distributed steel in Tables A.2.1. or A.2.2.





Table A. 11.1600. – <u>Above Grade Walkout Basement</u> Shear Wall Length for Seismic Zone Classification, $S_{a,ICF} \le 0.31$ and Hourly Wind Pressure, q1/50 ≤ 1.05 kPa, where Building Area ≤ 1600 ft²

Wall Height m (ft)	1	· · · · · · · · · · · · · · · · · · ·		Seismic Zone	Classification			
	Saict	≤ 0.07	S _{ALCE}	≤ 0.11	S _{iller}	≤ 0.16	S _{a,ICF}	≤ 0.31
Valkout Basement Wall of a Single Story	ICF Structure Supporting Wood F	ramed Roof (TYPE W1)						
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	ls provided						
2.44 (8)	1 x 6'-5" 2 x 4'-5" 3 x 3'-7"	1 x 6'-10" 2 x 4'-10" 3 x 3'-7"	1 x 8'-3" 2 x 5'-7" 3 x 4'-5"	1 x 8'-6" 2 x 6'-0" 3 x 4'-10"	1 x 10'-0" 2 x 6'-10" 3 x 5'-7"	1 x 10'-6" 2 x 7'-2" 3 x 5'-9"	1 x 14'-5" 2 x 9'-9" 3 x 8'-0"	1 x 15'-2" 2 x 10'-5" 3 x 8'-3
2.75 (9)	1 x 6'-6" 2 x 4'-5" 3 x 3'-7"	1 x 7'-2" 2 x 4'-10" 3 x 4'-0"	1 x 8'-5" 2 x 5'-9" 3 x 4'-10"	1 x 8'-10" 2 x 6'-0" 3 x 4'-10"	1 x 10'-3" 2 x 7'-2" 3 x 5'-7"	1 x 10'-9" 2 x 7'-4" 3 x 5'-10"	1 x 14'-6" 2 x 10'-0" 3 x 8'-3"	1 x 15'-6" 2 x 10'-8" 3 x 8'-6
3.05 (10)	1 x 6'-10" 2 x 4'-10" 3 x 3'-7"	1 x 7'-2" 2 x 5'-2" 3 x 4'-0"	1 x 8'-8" 2 x 6'-0" 3 x 4'-10"	1 x 9'-0" 2 x 6'-3" 3 x 5'-0"	1 x 10'-6" 2 x 7'-2" 3 x 6'-0"	1 x 11'-3" 2 x 7'-7" 3 x 6'-3"	1 x 15'-0" 2 x 10'-5" 3 x 8'-5"	1 x 15'-9" 2 x 11'-0" 3 x 8'-10
3.66 (12)	1 x 7'-2" 2 x 5'-0" 3 x 4'-0"	1 x 8'-0" 2 x 5'-2" 3 x 4'-5"	1 x 9'-1" 2 x 6'-5" 3 x 5'-2"	1 x 9'-7" 2 x 6'-6" 3 x 5'-2"	1 x 11'-3" 2 x 7'-7" 3 x 6'-5"	1 x 11'-9" 2 x 8'-0" 3 x 6'-5"	1 x 15'-9" 2 x 11'-0" 3 x 8'-10"	1 x 16'-10" 2 x 11'-6" 3 x 9'-2
Valkout Basement Walls of a Two Story V	Vood Framed Structure Supportin	ng Wood Frame Floors and Roof	(TYPE W2)					
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	ls provided						
2.44 (8)	1 x 8'-0" 2 x 5'-6" 3 x 4'-6"	1 x 7'-7" 2 x 5'-2" 3 x 4'-6"	1 x 8'-5" 2 x 6'-0" 3 x 4'-10"	1 x 8'-5" 2 x 6'-0" 3 x 4'-10"	1 x 10'-5" 2 x 7'-2" 3 x 5'-7"	1 x 10'-5" 2 x 7'-2" 3 x 5'-7"	1 x 14'-5" 2 x 10'-0" 3 x 8'-0"	1 x 14'-5" 2 x 10'-0" 3 x 8'-0
2.75 (9)	1 x 8'-3" 2 x 5'-8" 3 x 4'-6"	1 x 8'-0" 2 x 5'-6" 3 x 4'-6"	1 x 8'-10" 2 x 6'-5" 3 x 4'-10"	1 x 8'-10" 2 x 6'-5" 3 x 4'-10"	1 x 10'-5" 2 x 7'-6" 3 x 5'-10"	1 x 10'-5" 2 x 7'-6" 3 x 5'-10"	1 x 14'-10" 2 x 10'-5" 3 x 8'-3"	1 x 14'-10" 2 x 10'-5" 3 x 8'-3
3.05 (10)	1 x 8'-6" 2 x 5'-9" 3 x 4'-8"	1 x 8'-0" 2 x 5'-7" 3 x 4'-8"	1 x 8'-10" 2 x 6'-5" 3 x 4'-10"	1 x 8'-10" 2 x 6'-5" 3 x 4'-10"	1 x 10'-10" 2 x 7'-6" 3 x 5'-10"	1 x 10'-10" 2 x 7'-6" 3 x 5'-10"	1 x 15'-2" 2 x 10'-8" 3 x 8'-5"	1 x 15'-2" 2 x 10'-8" 3 x 8'-5
3.66 (12)	1 x 9'-0" 2 x 6'-3" 3 x 5'-0"	1 x 8'-6" 2 x 6'-0" 3 x 5'-0"	1 x 9'-2" 2 x 6'-5" 3 x 5'-2"	1 x 9'-2" 2 x 6'-5" 3 x 5'-2"	1 x 11'-2" 2 x 7'-7" 3 x 6'-2"	1 x 11'-2" 2 x 7'-7" 3 x 6'-2"	1 x 15'-7" 2 x 10'-10" 3 x 8'-10"	1 x 15'-7" 2 x 10'-10" 3 x 8'-10
Valkout Basement Wall of a Two Story Bu	uilding with Main Floor ICF Walls	Supporting 2nd Story Wood Fra-	ned Walls, Floor and Roof (TYPF	2 W3)				
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	ls provided						
2.44 (8)	1 x 8'-0" 2 x 5'-7" 3 x 4'-6"	1 x 8'-0" 2 x 5'-10" 3 x 4'-6"	1 x 10'-0" 2 x 6'-10" 3 x 5'-7"	1 x 10'-0" 2 x 7'-2" 3 x 5'-7"	1 x 12'-0" 2 x 8'-5" 3 x 6'-11"	1 x 12'-5" 2 x 8'-6" 3 x 6'-11"	1 x 17'-0" 2 x 12'-0" 3 x 9'-7"	1 x 17'-7" 2 x 12'-0" 3 x 9'-9
2.75 (9)	1 x 8'-3" 2 x 5'-10" 3 x 4'-6"	1 x 8'-3" 2 x 5'-10" 3 x 4'-6"	1 x 10'-3" 2 x 7'-2" 3 x 5'-7"	1 x 10'-5" 2 x 7'-2" 3 x 5'-8"	1 x 12'-10" 2 x 8'-6" 3 x 6'-11"	1 x 12'-10" 2 x 8'-10" 3 x 6'-11"	1 x 17'-4" 2 x 12'-3" 3 x 9'-10"	1 x 17'-9" 2 x 12'-5" 3 x 10'-0
3.05 (10)	1 x 8'-6" 2 x 5'-10" 3 x 4'-8"	1 x 8'-6" 2 x 5'-10" 3 x 4'-6"	1 x 10'-5" 2 x 7'-2" 3 x 5'-10"	1 x 10'-6" 2 x 7'-2" 3 x 5'-10"	1 x 12'-10" 2 x 8'-10" 3 x 6'-11"	1 x 12'-10" 2 x 9'-0" 3 x 7'-2"	1 x 17'-9" 2 x 12'-5" 3 x 10'-0"	1 x 18'-3" 2 x 12'-9" 3 x 10'-3
3.65 (10) 3.66 (12)		1 x 8'-6" 2 x 5'-10" 3 x 4'-6" 1 x 9'-0" 2 x 6'-3" 3 x 4'-10"						
	1 x 9'-0" 2 x 6'-3" 3 x 5'-0"	1 x 9'-0" 2 x 6'-3" 3 x 4'-10"						
3.66 (12)	1 x 9'-0" 2 x 6'-3" 3 x 5'-0"	1 x 9'-0" 2 x 6'-3" 3 x 4'-10"						
3.66 (12)	1 x 9'-0" 2 x 6'-3" 3 x 5'-0" Structure Supporting Wood Fram	1 x 9'-0" 2 x 6'-3" 3 x 4'-10" e Floors and Roof (TYPE W4) 10" & 12" Thick Wall	1 x 10'-10" 2 x 7'-7" 3 x 6'-0"	1 x 11'-0" 2 x 7'-7" 3 x 6'-3"	1 x 13'-1" 2 x 9'-1" 3 x 7'-3"	1 x 13'-4" 2 x 9'-3" 3 x 7'-6"	1 x 18'-6" 2 x 13'-0" 3 x 10'-5"	1 x 19'-0" 2 x 13'-2" 3 x 10'-8
3.66 (12)	1 x 9'-0" 2 x 6'-3" 3 x 5'-0" Structure Supporting Wood Fram 6" & 8" Thick Wall Number and length of shear wal	1 x 9'-0" 2 x 6'-3" 3 x 4'-10" e Floors and Roof (TYPE W4) 10" & 12" Thick Wall	1 x 10'-10" 2 x 7'-7" 3 x 6'-0" 6" & 8" Thick Wall	1 x 11'-0" 2 x 7'-7" 3 x 6'-3" 10" & 12" Thick Wall	1 x 13'-1" 2 x 9'-1" 3 x 7'-3" 6" & 8" Thick Wall	1 x 13'-4" 2 x 9'-3" 3 x 7'-6" 10" & 12" Thick Wall	1 x 18'-6" 2 x 13'-0" 3 x 10'-5" 6" & 8" Thick Wall	1 x 19'-0" 2 x 13'-2" 3 x 10'-8 10" & 12" Thick Wall
3.66 (12) Valkout Basement Wall of Two Story ICF	1 x 9'-0" 2 x 6'-3" 3 x 5'-0" Structure Supporting Wood Fram 6" & 8" Thick Wall Number and length of shear wall 1 x 9'-0" 2 x 6'-3"	1 x 9'-0" 2 x 6'-3" 3 x 4'-10" re Floors and Roof (TYPE W4) 10" & 12" Thick Wall Is provided	1 x 10'-10" 2 x 7'-7" 3 x 6'-0" 6" & 8" Thick Wall 1 x 11'-4" 2 x 8'-0" 3 x 6'-5"	1 x 11'-0" 2 x 7'-7" 3 x 6'-3" 10" & 12" Thick Wall 1 x 12'-0" 2 x 8'-3" 3 x 6'-8"	1 x 13'-1" 2 x 9'-1" 3 x 7'-3" 6" & 8" Thick Wall 1 x 14'-0" 2 x 9'-7" 3 x 7'-9"	1 x 13'-4" 2 x 9'-3" 3 x 7'-6" 10" & 12" Thick Wall 1 x 14'-8" 2 x 10'-0" 3 x 8'-3"	1 x 18'-6" 2 x 13'-0" 3 x 10'-5" 6" & 8" Thick Wall	1 x 19'-0" 2 x 13'-2" 3 x 10'-8 10" & 12" Thick Wall 1 x 20'-8" 2 x 14'-5" 3 x 11'-6
3.66 (12) Valkout Basement Wall of Two Story ICF 2.44 (8)	1 x 9'-0" 2 x 6'-3" 3 x 5'-0" Structure Supporting Wood Fram 6" & 8" Thick Wall Number and length of shear wall 1 x 9'-0" 2 x 6'-3" 3 x 5'-1" 1 x 9'-0" 2 x 6'-5" 3 x 5'-1" 3 x 5'-1"	1 x 9'-0" 2 x 6'-3" 3 x 4'-10" te Floors and Roof (TYPE W4) 10" & 12" Thick Wall Is provided 1 x 9'-7" 2 x 6'-5" 3 x 5'-3"	1 x 10'-10" 2 x 7'-7" 3 x 6'-0" 6" & 8" Thick Wall 1 x 11'-4" 2 x 8'-0" 3 x 6'-5" 1 x 12'-0" 2 x 8'-0" 3 x 6'-5"	1 x 11'-0" 2 x 7'-7" 3 x 6'-3" 10" & 12" Thick Wall 1 x 12'-0" 2 x 8'-3" 3 x 6'-8" 1 x 12'-3" 2 x 8'-5" 3 x 6'-10"	1 x 13'-1" 2 x 9'-1" 3 x 7'-3" 6" & 8" Thick Wall 1 x 14'-0" 2 x 9'-7" 3 x 7'-9" 1 x 14'-5" 2 x 9'-10" 3 x 8'-0"	1 x 13'-4" 2 x 9'-3" 3 x 7'-6" 10" & 12" Thick Wall 1 x 14'-8" 2 x 10'-0" 3 x 8'-3" 1 x 15'-0" 2 x 10'-3" 3 x 8'-4"	1 x 18'-6" 2 x 13'-0" 3 x 10'-5" 6" & 8" Thick Wall 1 x 19'-8" 2 x 13'-7" 3 x 11'-0" 1 x 20'-0" 2 x 14'-0" 3 x 11'-2"	1 x 19'-0" 2 x 13'-2" 3 x 10'-1 10" & 12" Thick Wall 1 x 20'-8" 2 x 14'-5" 3 x 11'-1 1 x 21'-3" 2 x 14'-8" 3 x 11'-1
3.66 (12) Valkout Basement Wall of Two Story ICF : 2.44 (8) 2.75 (9)	1 x 9'-0" 2 x 6'-3" 3 x 5'-0" Structure Supporting Wood Fram 6" & 8" Thick Wall Number and length of shear wall 1 x 9'-0" 2 x 6'-3" 3 x 5'-1" 1 x 9'-0" 2 x 6'-3" 3 x 5'-1" 1 x 5'-2" 2 x 5'-5" 1 x 9'-2" 2 x 6'-5" 3 x 5'-1" 1 x 5'-3" 3 x 5'-1"	1 x 9'-0" 2 x 6'-3" 3 x 4'-10" te Floors and Roof (TYPE W4) 10" & 12" Thick Wall Is provided 1 x 9'-7" 2 x 6'-5" 3 x 5'-3" 1 x 9'-7" 2 x 6'-6" 3 x 5'-3"	1 x 10'-10" 2 x 7'-7" 3 x 6'-0" 6" & 8" Thick Wall 1 x 11'-4" 2 x 8'-0" 3 x 6'-5" 1 x 12'-0" 2 x 8'-0" 3 x 6'-5" 1 x 12'-0" 2 x 8'-3" 3 x 6'-10"	1 x 11'-0" 2 x 7'-7" 3 x 6'-3" 10" & 12" Thick Wall 1 x 12'-0" 2 x 8'-3" 3 x 6'-8" 1 x 12'-3" 2 x 8'-5" 3 x 6'-10" 1 x 12'-6" 2 x 8'-6" 3 x 7'-0"	1 x 13'-1" 2 x 9'-1" 3 x 7'-3" 6" & 8" Thick Wall 1 x 14'-0" 2 x 9'-7" 3 x 7'-9" 1 x 14'-5" 2 x 9'-10" 3 x 8'-0" 1 x 14'-5" 2 x 10'-0" 3 x 8'-3"	1 x 13'-4" 2 x 9'-3" 3 x 7'-6" 10" & 12" Thick Wall 1 x 14'-8" 2 x 10'-0" 3 x 8'-3" 1 x 15'-0" 2 x 10'-6" 3 x 8'-3" 1 x 15'-3" 2 x 10'-6" 3 x 8'-3"	1 x 18'-6" 2 x 13'-0" 3 x 10'-5" 6" & 8" Thick Wall 1 x 19'-8" 2 x 13'-7" 3 x 11'-0" 1 x 20'-0" 2 x 14'-0" 3 x 11'-2" 1 x 20'-6" 2 x 14'-5" 3 x 11'-6"	1 x 19'-0" 2 x 13'-2" 3 x 10'-1 10" & 12" Thick Wall 1 x 20'-8" 2 x 14'-5" 3 x 11'-1 1 x 21'-3" 2 x 14'-8" 3 x 11'-1 1 x 21'-6" 2 x 15'-0" 3 x 12'-1
3.66 (12) Valkout Basement Wall of Two Story ICF 9 2.44 (8) 2.75 (9) 3.05 (10) 3.66 (12) Vertical 6°, 8° and 10° thick wall	1 x 9'-0" 2 x 6'-3" 3 x 5'-0" Structure Supporting Wood Fram 6" & 8" Thick Wall Number and length of shear wall 1 x 9'-0" 2 x 6'-3" 3 x 5'-1" 1 x 9'-0" 2 x 6'-3" 3 x 5'-1" 1 x 5'-2" 2 x 5'-5" 1 x 9'-2" 2 x 6'-5" 3 x 5'-1" 1 x 5'-3" 3 x 5'-1"	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	1 x 10'-10" 2 x 7'-7" 3 x 6'-0" 6" & 8" Thick Wall 1 x 11'-4" 2 x 8'-0" 3 x 6'-5" 1 x 12'-0" 2 x 8'-0" 3 x 6'-5" 1 x 12'-0" 2 x 8'-3" 3 x 6'-10"	1 x 11'-0" 2 x 7'-7" 3 x 6'-3" 10" & 12" Thick Wall 1 x 12'-0" 2 x 8'-3" 3 x 6'-8" 1 x 22'-3" 2 x 8'-5" 3 x 6'-10" 1 x 12'-6" 2 x 8'-6" 3 x 7'-0" 1 x 13'-0" 2 x 9'-0" 3 x 7'-2"	1 x 13'-1" 2 x 9'-1" 3 x 7'-3" 6" & 8" Thick Wall 1 x 14'-0" 2 x 9'-7" 3 x 7'-9" 1 x 14'-5" 2 x 9'-10" 3 x 8'-0" 1 x 14'-5" 2 x 10'-0" 3 x 8'-3"	1 x 13'-4" 2 x 9'-3" 3 x 7'-6" 10" & 12" Thick Wall 1 x 14'-8" 2 x 10'-0" 3 x 8'-3" 1 x 15'-0" 2 x 10'-3" 3 x 8'-4" 1 x 15'-3" 2 x 10'-6" 3 x 8'-5" 1 x 15'-9" 2 x 10'-11" 3 x 8'-10"	1 x 18'-6" 2 x 13'-0" 3 x 10'-5" 6" & 8" Thick Wall 1 x 19'-8" 2 x 13'-7" 3 x 11'-0" 1 x 20'-0" 2 x 14'-0" 3 x 11'-2" 1 x 20'-6" 2 x 14'-5" 3 x 11'-6"	1 x 19'-0" 2 x 13'-2" 3 x 10'-1 10" & 12" Thick Wall 1 x 20'-8" 2 x 14'-5" 3 x 11'-1 1 x 21'-3" 2 x 14'-8" 3 x 11'-1 1 x 21'-6" 2 x 15'-0" 3 x 12'-1
3.66 (12) Valkout Basement Wall of Two Story ICF : 2.44 (8) 2.75 (9) 3.05 (10) 3.66 (12)	1 x 9'-0" 2 x 6'-3" 3 x 5'-0" Structure Supporting Wood Fram 6" & 8" Thick Wall Number and length of shear wall 1 x 9'-0" 2 x 6'-3" 3 x 5'-1" 1 x 9'-0" 2 x 6'-5" 3 x 5'-1" 1 x 9'-0" 2 x 6'-5" 3 x 5'-1" 1 x 9'-0" 2 x 6'-5" 3 x 5'-1" 1 x 9'-9" 2 x 6'-5" 3 x 5'-1"	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	1 x 10'-10" 2 x 7'-7" 3 x 6'-0" 6" & 8" Thick Wall 1 x 11'-4" 2 x 8'-0" 3 x 6'-5" 1 x 12'-0" 2 x 8'-0" 3 x 6'-5" 1 x 12'-0" 2 x 8'-3" 3 x 6'-6" 1 x 12'-4" 2 x 8'-6" 3 x 7'-0"	1 x 11'-0" 2 x 7'-7" 3 x 6'-3" 10" & 12" Thick Wall 1 x 12'-0" 2 x 6'-3" 3 x 6'-8" 1 x 12'-3" 2 x 8'-5" 3 x 6'-10" 1 x 12'-6" 2 x 8'-6" 3 x 7'-0" 1 x 13'-0" 2 x 9'-0" 3 x 7'-2" 300 (12)	1 x 13'-1" 2 x 9'-1" 3 x 7'-3" 6" & 8" Thick Wall 1 x 14'-0" 2 x 9'-7" 3 x 7'-9" 1 x 14'-5" 2 x 9'-10" 3 x 8'-3" 1 x 14'-5" 2 x 10'-0" 3 x 8'-3" 1 x 15'-0" 2 x 10'-5" 3 x 8'-5"	1×13'-4" 2×9'-3" 3×7'-6" 10" & 12" Thick Wall 1×14'-8" 2×10'-0" 3×8'-3" 1×15'-0" 2×10'-3" 3×8'-4" 1×15'-3" 2×10'-6" 3×8'-5" 1×15'-9" 2×10'-11" 3×8'-10" 300 (12)	1 x 18'-6" 2 x 13'-0" 3 x 10'-5" 6" & 8" Thick Wall 1 x 19'-8" 2 x 13'-7" 3 x 11'-0" 1 x 20'-0" 2 x 14'-0" 3 x 11'-6" 1 x 20'-6" 2 x 14'-5" 3 x 11'-6" 1 x 21'-3" 2 x 14'-9" 3 x 12'-0"	1 x 19'-0" 2 x 13'-2" 3 x 10'-6 10" & 12" Thick Wall 1 x 20'-8" 2 x 14'-5" 3 x 11'-6 1 x 21'-3" 2 x 14'-5" 3 x 11'-6 1 x 21'-6" 2 x 15'-0" 3 x 12'-6 1 x 22'-6" 2 x 15'-6" 3 x 12'-6
3.66 (12) Valkout Basement Wall of Two Story ICF 9 2.44 (8) 2.75 (9) 3.05 (10) 3.66 (12) Vertical 6', 8'' and 10'' thick wall	1 x 9'-0" 2 x 6'-3" 3 x 5'-0" Structure Supporting Wood Fram 6" & & Thick Wall Number and length of shear wall 1 x 9'-0" 2 x 6'-3" 1 x 9'-0" 2 x 6'-3" 3 x 5'-1" 1 x 9'-0" 2 x 6'-5" 3 x 5'-1" 1 x 9'-0" 2 x 6'-5" 3 x 5'-4" 1 x 9'-9" 2 x 6'-5" 3 x 5'-4" 1 5 Me 10 M @	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	1 x 10'-10" 2 x 7'-7" 3 x 6'-0" 6" & 8" Thick Wall 1 x 11'-4" 2 x 8'-0" 3 x 6'-5" 1 x 12'-0" 2 x 8'-3" 3 x 6'-5" 1 x 12'-0" 2 x 8'-3" 3 x 6'-10" 1 x 12'-4" 2 x 8'-6" 3 x 7-0" 1 x 12'-4" 5 M @	1 x 11'-0" 2 x 7-7" 3 x 6'-3" 10" & 12" Thick Wall 1 x 12'-0" 2 x 6'-3" 3 x 6'-6" 1 x 12'-3" 2 x 6'-5" 3 x 6'-10" 1 x 12'-6" 2 x 6'-5" 3 x 7'-0" 1 x 13'-0" 2 x 9'-0" 3 x 7'-2" 300 (12)	1 x 13'-1" 2 x 9'-1" 3 x 7'-3" 6" & 8" Thick Wall 1 x 14'-0" 2 x 9'-7" 3 x 7'-9" 1 x 14'-5" 2 x 9'-10" 3 x 8'-0" 1 x 14'-5" 2 x 10'-0" 3 x 8'-3" 1 x 15'-0" 2 x 10'-5" 3 x 8'-5" 1 5 M @	1 x 13'-4" 2 x 9'-3" 3 x 7'-6" 10" & 12" Thick Wall 1 x 14'-8" 2 x 10'-0" 3 x 8'-3" 1 x 15'-0" 2 x 10'-3" 3 x 8'-4" 1 x 15'-3" 2 x 10'-6" 3 x 8'-5" 1 x 15'-9" 2 x 10'-11" 3 x 8'-10" 300 (12)	1 × 18'-6" 2 × 13'-0" 3 × 10'-5" 6" & 8" Thick Wall 1 × 19'-8" 2 × 13'-7" 3 × 11'-0" 1 × 20'-0" 2 × 14'-0" 3 × 11'-2" 1 × 20'-6" 2 × 14'-5" 3 × 11'-6" 1 × 21'-3" 2 × 14'-9" 3 × 12'-6" 1 × 5M @	1 x 19'-0" 2 x 13'-2" 3 x 10'-6 10" & 12" Thick Wall 1 x 20'-8" 2 x 14'-5" 3 x 11'-6 1 x 21'-3" 2 x 14'-8" 3 x 11'-6 1 x 22'-6" 2 x 15'-6" 3 x 12'-6 1 x 22'-6" 2 x 15'-6" 3 x 12'-6 300 (12)

NOTES:

- 1. $S_{a,ICF}$ is equivalent spectral response acceleration for ICF walls as provided in Appendix A.
- 2. This table is to be used in conjunction with the "Design Limitations."
- Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in the rebar placement drawing.
- 4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.
- 5. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.
- 6. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.
- 7. Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.
- Horizontal reinforcement in shear walls where S_{a,ICF} > 0.16 must be anchored using a standard 180° hook around vertical end bars.
 Walkout basement shear walls are to be reviewed and designed by a structural engineer where Sa,ICF > 0.31.





Table A.3.800. Above Grade Shear Wall Length for Seismic Zone Classification, S_{a,ICF} ≤ 0.16 and Hourly Wind Pressure, q1/50 ≤ 0.5kPa (in a Building Without Walkout Basement), where Building Area ≤ 800ft²

Wall Height m (ft)			Seismic Zone	Classification		
	Sa,ICF	≤ 0.07	S _{a,ICF}	≤ 0.11	S _{a,ICF}	≤ 0.16
nd Floor Walls of Two Story ICF St	ructure Supporting Wood Frame Ro					
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal					
2.44 (8)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8" -
2.75 (9)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-11" 3 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x 2
3.05 (10)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-11" 3 x 2'-8"	1 x 5'-6" 2 x 3'-7" 3 x 2'-8"	1 x 5'-10" 2 x 3'-7" 3 x 2
n Floor Walls of One Story ICF Stru	cture Supporting Wood Frame Roof					
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	lls provided				
2.44 (8)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"
2.75 (9)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"
3.05 (10)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-11" 3 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x
3.66 (12)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-11" 3 x 2'-8"	1 x 5'-2" 2 x 2'-11" 3 x 2'-8"	1 x 5'-10" 2 x 3'-11" 3 x 2'-11"	1 x 5'-10" 2 x 3'-7" 3 x
4.27 (14)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"	1 x 5'-2" 2 x 3'-7" 3 x 2'-8"	1 x 6'-1" 2 x 3'-11" 3 x 3'-3"	1 x 6'-6" 2 x 4'-7" 3 x
4.88 (16)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"	1 x 5'-10" 2 x 3'-11" 3 x 2'-11"	1 x 6'-6" 2 x 4'-3" 3 x 3'-3"	1 x 7'-2" 2 x 4'-11" 3 x 3
Floor Walls of Two Story Structu	re Supporting 2nd Story Wood Fram	ed Walls, Floor and Roof (TYPE	2)	•		•
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wal
	Number and length of shear wal	lls provided				
2.44 (8)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-10" 2 x 3'-11" 3 x 3'-3"	1 x 5'-10" 2 x 4'-3" 3 x 3'-3"	1 x 7'-2" 2 x 4'-7" 3 x 3'-7"	1 x 7'-6" 2 x 4'-7" 3 x
2.75 (9)	1 x 5'-2" 2 x 2'-11" 3 x 2'-8"	1 x 5'-2" 2 x 2'-11" 3 x 2'-8"	1 x 5'-10" 2 x 4'-3" 3 x 3'-3"	1 x 6'-6" 2 x 4'-7" 3 x 3'-3"	1 x 7'-10" 2 x 4'-11" 3 x 3'-11"	1 x 7'-10" 2 x 4'-11" 3 x 3
3.05 (10)	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"	1 x 6'-2" 2 x 4'-9" 3 x 3'-11"	1 x 6'-6" 2 x 4'-9" 3 x 3'-11"	1 x 7'-10" 2 x 5'-2" 3 x 4'-3"	1 x 8'-2" 2 x 5'-2" 3 x
3.66 (12)	1 x 5'-6" 2 x 3'-7" 3 x 2'-8"	1 x 5'-6" 2 x 3'-7" 3 x 2'-8"	1 x 6'-10" 2 x 5'-5" 3 x 4'-3"	1 x 6'-10" 2 x 5'-5" 3 x 4'-3"	1 x 8'-5" 2 x 5'-10" 3 x 4'-7"	1 x 8'-5" 2 x 5'-10" 3 x
4.27 (14)	1 x 5'-6" 2 x 3'-7" 3 x 2'-11"	1 x 5'-6" 2 x 3'-11" 3 x 2'-11"	1 x 7'-2" 2 x 5'-6" 3 x 4'-7"	1 x 7'-6" 2 x 5'-10" 3 x 4'-7"	1 x 8'-5" 2 x 5'-10" 3 x 4'-7"	1 x 9'-1" 2 x 6'-6" 3 x
4.88 (16)	1 x 5'-6" 2 x 3'-7" 3 x 2'-11"	1 x 5'-10" 2 x 3'-11" 3 x 3'-3"	1 x 7'-2" 2 x 5'-10" 3 x 4'-11"	1 x 7'-10" 2 x 6'-2" 3 x 4'-11"	1 x 8'-5" 2 x 5'-10" 3 x 4'-11"	1 x 9'-5" 2 x 6'-6" 3 x
Floor Walls of Two Story ICF Stru	cture Supporting Wood Frame Floor	s and Roof (TYPE D)	V V	V V	V V	V V
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wal
	Number and length of shear wal					
2.44 (8)	1 x 5'-10" 2 x 3'-7" 3 x 2'-8"	1 x 5'-10" 2 x 3'-7" 3 x 2'-11"				
2.75 (9)	1 x 5'-10" 2 x 3'-11" 3 x 2'-8"				1 x 9'-9" 2 x 6'-2" 3 x 5'-2"	
3.05 (10)		1 x 6'-6" 2 x 4'-3" 3 x 3'-3"				
3.66 (12)		1 x 6'-6" 2 x 4'-7" 3 x 3'-3"			1 x 10'-5" 2 x 7'-2" 3 x 5'-10"	
4.27 (14)		1 x 7'-2" 2 x 4'-11" 3 x 3'-11"				
4.88 (16)	1 x 6'-6" 2 x 4'-7" 3 x 3'-7"	1 x 7'-6" 2 x 4'-11" 3 x 3'-11"	1 x 8'-5" 2 x 5'-10" 3 x 4'-7"	1 x 9'-5" 2 x 6'-6" 3 x 5'-2"	1 x 10'-5" 2 x 7'-2" 3 x 5'-10"	1 x 11'-8" 2 x 8'-2" 3 x
	As per ta	able A.1.1.	As per ta	able A.1.1.	As per ta	ble A.1.1.
Vertical ICF with 6" Tie Specing				11. 4.4.2	As posts	ble A.1.2.
	As per ta	able A.1.2.	As per ta	able A.1.2.	As per ta	
	· · · · ·		As per ta 10 M @		10 M @	

NOTES:

 $S_{\rm alcF}$ is equivalent spectral response acceleration for ICF walls as provided in Appendix A. This table is to be used in conjunction with the "Design Limitations." 1.

2.

Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in 3. the rebar placement drawing.

All four sides of the building are to have a minimum number and length of shear walls that conforms to this table. 4.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

6. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

7. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.

8. Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.

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Table A.4.800. Above Grade Shear Wall Length for Seismic Zone Classification, Sa,ICF ≤ 0.16 and Hourly Wind Pressure, 0.5kPa < q1/50 ≤ 0.75kPa (in a Building Without Walkout Basement), where Building Area ≤ 800ft²

Wall Height m (ft)			Seisr	nic Zone Classification		
	S _{a,ICI}	_F ≤ 0.07		$S_{a,ICF} \leq 0.11$	S _a	_{ICF} ≤ 0.16
d Floor Walls of Two Story ICF Str	ucture Supporting Wood Frame Ro	of (TYPE A)				
	6" & 8" Thick Wall	10" & 12" Thick Wa	I 6" & 8" Thick Wa	II 10" & 12" Thick W	all 6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-11" 3 x 2'-	8" 1 x 5'-2" 2 x 2'-8"
2.75 (9)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x 2'-	B" 1 x 5'-2" 2 x 3'-3" 3 x 2
3.05 (10)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-11"	x 2'-8" 1 x 5'-2" 2 x 2'-11" 3	x 2'-8" 1 x 5'-10" 2 x 3'-11" 3 x 2'-1	1" 1 x 5'-10" 2 x 3'-11" 3 x 2
loor Walls of One Story ICF Struc	ture Supporting Wood Frame Roof	(TYPE B)		· · ·		•
	6" & 8" Thick Wall	10" & 12" Thick Wa	I 6" & 8" Thick W	10" & 12" Thick W	all 6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided		•		•
2.44 (8)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8" -
2.75 (9)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"
3.05 (10)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x 2'-	8" 1 x 5'-2" 2 x 3'-3" 3 x 3
3.66 (12)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-11"			1" 1 x 5'-10" 2 x 3'-11" 3 x 2
4.27 (14)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 3'-3"	x 2'-8" 1 x 5'-2" 2 x 3'-7" 3	x 2'-8" 1 x 6'-1" 2 x 3'-11" 3 x 3'-	3" 1 x 6'-6" 2 x 4'-7" 3 x
4.88 (16)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x	2'-8" 1 x 5'-2" 2 x 3'-3"		x 2'-11" 1 x 6'-6" 2 x 4'-3" 3 x 3'-	3" 1 x 7'-2" 2 x 4'-11" 3 x 3
loor Walls of Two Story Structur	e Supporting 2nd Story Wood Fram	ned Walls. Floor and Roof (TYPE C)		· · · · · · · · · · · · · · · · · · ·	
	6" & 8" Thick Wall	10" & 12" Thick Wa		10" & 12" Thick W	all 6" & 8" Thick Wall	10" & 12" Thick Wal
	Number and length of shear wa			······		
2.44 (8)	1 x 5'-2" 2 x 2'-11" 3 x 2'-8"		1 x 5'-10" 2 x 3'-11"	x 3'-3" 1 x 5'-10" 2 x 4'-3" 3	x 3'-3" 1 x 7'-6" 2 x 4'-11" 3 x 3'-1	1" 1 x 7'-6" 2 x 4'-7" 3 x
2.75 (9)	1 x 5'-2" 2 x 2'-11" 3 x 2'-8"		2'-8" 1 x 5'-10" 2 x 4'-3"	x 3'-3" 1 x 6'-6" 2 x 4'-7" 3	x 3'-3" 1 x 7'-10" 2 x 4'-11" 3 x 3'-1	1" 1 x 7'-10" 2 x 4'-11" 3 x 3
3.05 (10)	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x			x 3'-11" 1 x 8'-2" 2 x 5'-6" 3 x 4'-	
3.66 (12)	1 x 5'-6" 2 x 3'-7" 3 x 2'-8"	1 x 5'-6" 2 x 3'-7" 3 x	2'-8" 1 x 6'-10" 2 x 5'-5"	x 4'-3" 1 x 6'-10" 2 x 5'-5" 3	x 4'-3" 1 x 8'-5" 2 x 5'-10" 3 x 4'-	7" 1 x 8'-5" 2 x 5'-10" 3 x
4.27 (14)	1 x 5'-6" 2 x 3'-7" 3 x 2'-11	" 1 x 5'-6" 2 x 3'-11" 3 x	2'-11" 1 x 7'-2" 2 x 5'-6" 3	x 4'-7" 1 x 7'-6" 2 x 5'-10" 3	x 4'-7" 1 x 8'-5" 2 x 5'-10" 3 x 4'-	7" 1 x 9'-1" 2 x 6'-6" 3 x 4
4.88 (16)	1 x 5'-6" 2 x 3'-7" 3 x 2'-11	" 1 x 5'-10" 2 x 3'-11" 3 x	3'-3" 1 x 7'-2" 2 x 5'-10" 3	x 4'-11" 1 x 7'-10" 2 x 6'-2" 3	x 4'-11" 1 x 8'-5" 2 x 5'-10" 3 x 4'-1	1" 1 x 9'-5" 2 x 6'-6" 3 x 4
loor Walls of Two Story ICF Strue	ture Supporting Wood Frame Floor	rs and Roof (TYPE D)		\sim \sim		
	6" & 8" Thick Wall	10" & 12" Thick Wa	I 6" & 8" Thick W	10" & 12" Thick W	all 6" & 8" Thick Wall	10" & 12" Thick Wal
	Number and length of shear wa	lls provided				-
2.44 (8)	1 x 5'-10" 2 x 3'-7" 3 x 2'-11	" 1 x 5'-10" 2 x 3'-7" 3 x	2'-11" 1 x 7'-2" 2 x 4'-7" 3	x 3'-7" 1 x 7'-10" 2 x 5'-2" 3	x 3'-11" 1 x 9'-1" 2 x 5'-10" 3 x 4'-	7" 1 x 10'-5" 2 x 6'-6" 3 x
2.75 (9)	1 x 5'-10" 2 x 3'-11" 3 x 2'-11	" 1 x 6'-6" 2 x 3'-11" 3 x	3'-3" 1 x 7'-10" 2 x 4'-11" 3	x 3'-11" 1 x 8'-5" 2 x 5'-2" 3	x 3'-11" 1 x 9'-9" 2 x 6'-2" 3 x 5'-	2" 1 x 10'-5" 2 x 7'-2" 3 x
3.05 (10)	1 x 6'-2" 2 x 4'-3" 3 x 3'-3"				x 4'-7" 1 x 10'-1" 2 x 6'-10" 3 x 5'-	
3.66 (12)	1 x 6'-6" 2 x 4'-7" 3 x 3'-3"	1 x 6'-10" 2 x 4'-7" 3 x	3'-7" 1 x 8'-5" 2 x 5'-10" 3	x 4'-7" 1 x 8'-9" 2 x 5'-10" 3	x 4'-7" 1 x 10'-5" 2 x 7'-2" 3 x 5'-1	0" 1 x 11'-1" 2 x 7'-2" 3 x 5
4.27 (14)	1 x 6'-6" 2 x 4'-7" 3 x 3'-7"	1 x 7'-2" 2 x 4'-11" 3 x	3'-11" 1 x 8'-5" 2 x 5'-10" 3	x 4'-7" 1 x 9'-5" 2 x 6'-2" 3	x 5'-2" 1 x 10'-5" 2 x 7'-2" 3 x 5'-1	0" 1 x 11'-8" 2 x 7'-10" 3 x
4.88 (16)	1 x 6'-6" 2 x 4'-7" 3 x 3'-7"	1 x 7'-6" 2 x 4'-11" 3 x	3'-11" 1 x 8'-5" 2 x 5'-10" 3	x 4'-7" 1 x 9'-5" 2 x 6'-6" 3	x 5'-2" 1 x 10'-5" 2 x 7'-2" 3 x 5'-1	0" 1 x 11'-8" 2 x 8'-2" 3 x
	As per t	able A.1.1.		As per table A.1.1.	As pe	table A.1.1.
ertical ICF with 6" Tie Specing				As per table A.1.2.	As pe	table A.1.2.
ertical ICF with 6" Tie Specing preement ICF with 8" Tie Specing	As per t	able A.1.2.				
				10 M @ 450 (18)	10 M	@ 450 (18)

1. Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A.

2. This table is to be used in conjunction with the "Design Limitations."

3. Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in the rebar placement drawing.

4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.

Use Table A.6 for buildings that do not meet the required wall length of this table. 5.

Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail. 6.

All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required. 7.

Concentrated reinforcement is to be placed in accordance with Bar Placement Detail. 8





Table A.5.800. Above Grade Shear Wall Length for Seismic Zone Classification, Sa,ICF ≤ 0.16 and Hourly Wind Pressure, 0.5kPa < q1/50 ≤ 0.75kPa (in a Building Without Walkout Basement), where Building Area ≤ 800ft²

Wall Height m (ft)				Zone Classification				
		F ≤ 0.07		$S{a,ICF} \leq 0.11$	S _{a,ICF}	≤ 0.16		
ond Floor Walls of Two Story ICF Str	ucture Supporting Wood Frame Ro	oof (TYPE A)						
	6" & 8" Thick Wall	10" & 12" Thick Wal	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall		
	Number and length of shear wa	lls provided						
2.44 (8)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	- 1 x 5'-2" 2 x 2'-8" -	- 1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-11" 3 x 2'-8"	1 x 5'-2" 2 x 2'-8"		
2.75 (9)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	- 1 x 5'-2" 2 x 2'-8" -	- 1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"	1 x 5'-6" 2 x 3'-7" 3 x 2'		
3.05 (10)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	- 1 x 5'-2" 2 x 2'-11" 3 x 2	2'-8" 1 x 5'-2" 2 x 2'-11" 3 x 2'-8	" 1 x 5'-10" 2 x 3'-11" 3 x 2'-11"	1 x 5'-10" 2 x 3'-11" 3 x 3		
n Floor Walls of One Story ICF Struc	ure Supporting Wood Frame Roof	(TYPE B)						
	6" & 8" Thick Wall	10" & 12" Thick Wal	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall		
	Number and length of shear wa	lls provided						
2.44 (8)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	- 1 x 5'-2" 2 x 2'-8" -	- 1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"		
2.75 (9)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	- 1 x 5'-2" 2 x 2'-8" -	- 1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-11" 3 x 2		
3.05 (10)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	- 1 x 5'-2" 2 x 2'-8" -	- 1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x 2		
3.66 (12)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	- 1 x 5'-2" 2 x 2'-11" 3 x 2	2'-8" 1 x 5'-2" 2 x 2'-11" 3 x 2'-8	" 1 x 5'-10" 2 x 3'-11" 3 x 2'-11"	1 x 5'-10" 2 x 3'-11" 3 x 2		
4.27 (14)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	- 1 x 5'-2" 2 x 3'-3" 3 x 2	2'-8" 1 x 5'-2" 2 x 3'-7" 3 x 2'-8	" 1 x 6'-1" 2 x 3'-11" 3 x 3'-3"	1 x 6'-6" 2 x 4'-7" 3 x 3		
4.88 (16)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x	2'-8" 1 x 5'-2" 2 x 3'-3" 3 x 2	2'-8" 1 x 5'-10" 2 x 3'-11" 3 x 2'-11	L" 1 x 6'-6" 2 x 4'-3" 3 x 3'-3"	1 x 7'-2" 2 x 4'-11" 3 x 3		
Floor Walls of Two Story Structur	Supporting 2nd Story Wood Fram	ned Walls, Floor and Roof (1	YPE C)					
	6" & 8" Thick Wall	10" & 12" Thick Wal	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall		
	Number and length of shear wa	lls provided						
2.44 (8)	1 x 5'-2" 2 x 2'-11" 3 x 2'-8"	1 x 5'-2" 2 x 2'-8"	- 1 x 5'-10" 2 x 3'-11" 3 x 3	3'-3" 1 x 5'-10" 2 x 4'-3" 3 x 3'-3	" 1 x 7'-6" 2 x 4'-11" 3 x 3'-11"	1 x 7'-6" 2 x 4'-7" 3 x		
2.75 (9)	1 x 5'-2" 2 x 2'-11" 3 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x	2'-8" 1 x 5'-10" 2 x 4'-3" 3 x 3	3'-3" 1 x 6'-6" 2 x 4'-7" 3 x 3'-3	" 1 x 7'-10" 2 x 4'-11" 3 x 3'-11"	1 x 7'-10" 2 x 5'-2" 3 x 3		
3.05 (10)	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x	2'-8" 1 x 6'-6" 2 x 4'-9" 3 x 3	'-11" 1 x 6'-6" 2 x 4'-9" 3 x 3'-11	L" 1 x 8'-2" 2 x 5'-6" 3 x 4'-3"	1 x 8'-2" 2 x 5'-2" 3 x		
3.66 (12)	1 x 5'-6" 2 x 3'-7" 3 x 2'-8"	1 x 5'-6" 2 x 3'-7" 3 x	2'-8" 1 x 6'-10" 2 x 5'-5" 3 x 4	1'-3" 1 x 6'-10" 2 x 5'-5" 3 x 4'-3	" 1 x 8'-5" 2 x 5'-10" 3 x 4'-7"	1 x 8'-5" 2 x 5'-10" 3 x		
4.27 (14)	1 x 5'-6" 2 x 3'-7" 3 x 2'-11	" 1 x 5'-6" 2 x 3'-11" 3 x 3	'-11" 1 x 7'-2" 2 x 5'-6" 3 x 4	1'-7" 1 x 7'-6" 2 x 5'-10" 3 x 4'-7	" 1 x 8'-5" 2 x 5'-10" 3 x 4'-7"	1 x 9'-1" 2 x 6'-6" 3 x 4		
4.88 (16)	1 x 5'-6" 2 x 3'-7" 3 x 2'-11	" 1 x 5'-10" 2 x 3'-11" 3 x	3'-3" 1 x 7'-2" 2 x 5'-10" 3 x 4	'-11" 1 x 7'-10" 2 x 6'-2" 3 x 4'-11	" 1 x 8'-5" 2 x 5'-10" 3 x 4'-11"	1 x 9'-5" 2 x 6'-6" 3 x 4		
Floor Walls of Two Story ICF Struc	ture Supporting Wood Frame Floor	rs and Roof (TYPE D)				\sim V		
	6" & 8" Thick Wall	10" & 12" Thick Wal	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall		
	Number and length of shear wa	IIs provided						
2.44 (8)	1 x 5'-10" 2 x 3'-7" 3 x 2'-11	" 1 x 5'-10" 2 x 3'-7" 3 x 2	'-11" 1 x 7'-2" 2 x 4'-11" 3 x 3	'-11" 1 x 7'-10" 2 x 5'-2" 3 x 3'-11	l" 1 x 9'-1" 2 x 5'-10" 3 x 4'-7"	1 x 10'-5" 2 x 6'-6" 3 x		
2.75 (9)	1 x 5'-10" 2 x 3'-11" 3 x 2'-11	" 1 x 6'-6" 2 x 4'-3" 3 x	8'-3" 1 x 7'-10" 2 x 4'-11" 3 x 3	'-11" 1 x 8'-5" 2 x 5'-6" 3 x 4'-3	" 1 x 9'-9" 2 x 6'-2" 3 x 5'-2"	1 x 10'-5" 2 x 7'-2" 3 x		
3.05 (10)	1 x 6'-2" 2 x 4'-3" 3 x 3'-3"	1 x 6'-6" 2 x 4'-3" 3 x	8'-3" 1 x 8'-5" 2 x 5'-6" 3 x 4	1'-3" 1 x 8'-5" 2 x 5'-6" 3 x 4'-7	" 1 x 10'-1" 2 x 6'-10" 3 x 5'-2"	1 x 11'-1" 2 x 7'-2" 3 x 5		
3.66 (12)	1 x 6'-6" 2 x 4'-7" 3 x 3'-3"	1 x 6'-10" 2 x 4'-7" 3 x	8'-7" 1 x 8'-5" 2 x 5'-10" 3 x 4	4'-7" 1 x 8'-9" 2 x 5'-10" 3 x 4'-7	" 1 x 10'-5" 2 x 7'-2" 3 x 5'-10"	1 x 11'-1" 2 x 7'-2" 3 x 5		
4.27 (14)	1 x 6'-6" 2 x 4'-7" 3 x 3'-7"	1 x 7'-2" 2 x 4'-11" 3 x 3	'-11" 1 x 8'-5" 2 x 5'-10" 3 x 4	\$'-7" 1 x 9'-5" 2 x 6'-2" 3 x 5'-2	" 1 x 10'-5" 2 x 7'-2" 3 x 5'-10"	1 x 11'-8" 2 x 7'-10" 3 x 6		
4.88 (16)	1 x 6'-6" 2 x 4'-7" 3 x 3'-7"	1 x 7'-6" 2 x 4'-11" 3 x 3	'-11" 1 x 8'-5" 2 x 5'-10" 3 x 4	1'-7" 1 x 9'-5" 2 x 6'-6" 3 x 5'-2	" 1 x 10'-5" 2 x 7'-2" 3 x 5'-10"	1 x 11'-8" 2 x 8'-2" 3 x 6		
Vertical ICF with 6" Tie Specing	As per t	able A.1.1.	As	per table A.1.1.	As per ta	ble A.1.1.		
Vertical ICF with 6" Tie Specing		11. 1 1 2	Ac	per table A.1.2.	As per ta	ble A.1.2.		
	As per t	able A.1.2.	AS					
				M @ 450 (18)	10 M @	450 (18)		

Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A. 1.

This table is to be used in conjunction with the "Design Limitations." 2.

Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in З. the rebar placement drawing.

4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

6. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required. 7.

Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.





Table A.6.800. Above Grade Shear Wall Length for Seismic Zone Classification, Sa, ICF > 0.16 and Hourly Wind Pressure, $q1/50 \le 1.05$ kPa (in a Building Without Walkout Basement), where Building Area ≤ 800ft²

Wall Height m (ft)				Seismic Zone	e Classification			
	S _{AJCF}	≤ 0.16	S _{A,ICF}	≤ 0.31	S _{a,ICF}	≤ 0.53	S _{A,ICF}	≤ 0.79
Second Floor Walls of Two Story ICF Stru	cture Supporting Wood Frame Ro	of (TYPE A)						
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	Is provided						
2.44 (8)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 4'-0"	1 x 5'-2" 2 x 4'-0"	1 x 6'-6" 2 x 4'-7" 3 x 4'-0"	1 x 6'-6" 2 x 4'-7" 3 x 4'-0"	1 x 7'-2" 2 x 5'-2" 3 x 4'-0"	1 x 7'-10" 2 x 5'-2" 3 x 4'-7
2.75 (9)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-10" 2 x 4'-6"	1 x 5'-10" 2 x 4'-6"			1 x 8'-5" 2 x 5'-10" 3 x 4'-7"	
3.05 (10)	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"	1 x 6'-6" 2 x 5'-0"	1 x 6'-6" 2 x 5'-0"	1 x 8'-2" 2 x 5'-6" 3 x 5'-0"	1 x 8'-2" 2 x 5'-6" 3 x 5'-0"	1 x 9'-1" 2 x 6'-6" 3 x 5'-2"	1 x 9'-1" 2 x 6'-6" 3 x 5'-2
Main Floor Walls of One Story ICF Struct								
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal							
2.44 (8)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 4'-0"	1 x 5'-2" 2 x 4'-0"	1 x 5'-10" 2 x 4'-0"	1 x 5'-10" 2 x 4'-0"		1 x 6'-6" 2 x 4'-7" 3 x 4'-0
2.75 (9)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 4'-6"	1 x 5'-2" 2 x 4'-6"	1 x 6'-6" 2 x 4'-7" 3 x 4'-6"	1 x 6'-6" 2 x 4'-7" 3 x 4'-6"	1 x 7'-2" 2 x 5'-2" 3 x 4'-6"	1 x 7'-2" 2 x 5'-2" 3 x 4'-6
3.05 (10)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 5'-0"	1 x 5'-10" 2 x 5'-0"	1 x 7'-2" 2 x 5'-0"	1 x 7'-2" 2 x 5'-2" 3 x 5'-0"	1 x 7'-10" 2 x 5'-2" 3 x 5'-0"	
3.66 (12)	1 x 5'-2" 2 x 2'-11" 3 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"	1 x 6'-0"	1 x 7'-2" 2 x 6'-0"	1 x 8'-5" 2 x 6'-0"	1 x 8'-5" 2 x 6'-0"	1 x 9'-1" 2 x 6'-6" 3 x 6'-0"	1 x 9'-9" 2 x 6'-6" 3 x 6'-0
4.27 (14)	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"	1 x 5'-2" 2 x 3'-7" 3 x 2'-8"	1 x 7'-2" 2 x 7'-0"	1 x 7'-2" 2 x 7'-0"	1 x 9'-1" 2 x 7'-0"	1 x 9'-9" 2 x 7'-0"	1 x 10'-5" 2 x 7'-2" 3 x 7'-0"	
4.88 (16) Main Floor Walls of Two Story Structure		1 x 5'-10" 2 x 3'-11" 3 x 3'-3"		1 x 8'-0"	1 x 9'-9" 2 x 8'-0"	1 x 11'-1" 2 x 8'-0"	1 x 11'-8" 2 x 8'-5" 3 x 8'-0"	1 x 11'-8" 2 x 9'-1" 3 x 8'-0
Main Floor Walls of Two Story Structure	6" & 8" Thick Wall	10" & 12" Thick Wall	.) 6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal		6 & 8 THICK Wall	10 & 12 THICK Wall	6 & 8 THICK Wall	10 & 12 THICK Wall	6 & 8 Thick Wall	10 & 12 Thick Wall
2.44 (8)		1 x 5'-10" 2 x 3'-11" 3 x 3'-3"	1 v 8'-5" 2 v 5'-10" 3 v 4'-3"	1 x 8'-5" 2 x 5'-10" 3 x 4'-3"	1 x 11'-1" 2 x 7'-2" 3 x 5'-10'	1 v 11'-1" 2 v 7'-2" 3 v 5'-10	1 x 11'-1" 2 x 7'-10" 3 x 6'-2"	1 x 11'-1" 2 x 7'-10" 3 x 6'-6'
2.75 (9)		1 x 5'-10" 2 x 3'-11" 3 x 3'-3"	1 x 9'-1" 2 x 6'-6" 3 x 4'-7"				1 x 11'-8" 2 x 8'-5" 3 x 6'-6"	
3.05 (10)		1 x 6'-6" 2 x 4'-3" 3 x 3'-3"						
3.66 (12)		1 x 7'-2" 2 x 4'-11" 3 x 3'-11"						
4.27 (14)	1 x 7'-2" 2 x 4'-11" 3 x 3'-11"	1 x 7'-2" 2 x 4'-11" 3 x 3'-11"	1 x 10'-5" 2 x 7'-2" 3 x 7'-0"	1 x 10'-5" 2 x 7'-2" 3 x 7'-0"	1 x 13'-0" 2 x 9'-1" 3 x 7'-2"	1 x 13'-0" 2 x 9'-1" 3 x 7'-10'	1 x 14'-4" 2 x 10'-5" 3 x 8'-5"	1 x 14'-4" 2 x 10'-5" 3 x 8'-5
4.88 (16)	1 x 7'-2" 2 x 4'-11" 3 x 3'-11"	1 x 7'-2" 2 x 4'-11" 3 x 3'-11"	1 x 10'-5" 2 x 8'-0"	1 x 10'-5" 2 x 8'-0"	1 x 13'-8" 2 x 9'-1" 3 x 8'-0"	1 x 14'-4" 2 x 9'-9" 3 x 8'-5"	1 x 15'-7" 2 x 11'-1" 3 x 8'-9"	1 x 15'-7" 2 x 11'-1" 3 x 8'-9
Main Floor Walls of Two Story ICF Struct	ure Supporting Wood Frame Floor	s and Roof (TYPE D)						
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal							
2.44 (8)	1 x 7'-2" 2 x 4'-11" 3 x 3'-7"	1 x 7'-10" 2 x 4'-11" 3 x 3'-11"	1 x 10'-5" 2 x 7'-2" 3 x 5'-6"	1 x 11'-1" 2 x 7'-2" 3 x 5'-10'	1 x 12'-4" 2 x 8'-9" 3 x 7'-2"	1 x 13'-0" 2 x 9'-1" 3 x 7'-2"	1 x 13'-8" 2 x 9'-9" 3 x 7'-10"	1 x 14'-4" 2 x 10'-5" 3 x 8'-5
2.75 (9)	1 x 7'-10" 2 x 5'-2" 3 x 3'-11"	1 x 7'-10" 2 x 5'-2" 3 x 4'-3"						
3.05 (10)	1 x 7'-10" 2 x 5'-2" 3 x 4'-3"						1 x 14'-11" 2 x 11'-1" 3 x 8'-5"	
3.66 (12)	1 x 7'-10" 2 x 5'-6" 3 x 4'-7"						1 x 16'-3" 2 x 12'-4" 3 x 9'-1"	
4.27 (14)	1 x 8'-5" 2 x 5'-10" 3 x 4'-7"						1 x 17'-7" 2 x 13'-0" 3 x 9'-9"	
4.88 (16)		1 x 9'-1" 2 x 6'-6" 3 x 5'-2"						
Vertical ICF with 6" Tie Specing		able A.2.1.		able A.2.1.		able A.2.1.		able A.2.1.
Reinforcement ICF with 8" Tie Specing		able A.2.2.		able A.2.2.		able A.2.2.		able A.2.2.
Horizontal Block Height of 12" and		able A.2.1.		able A.2.1.		able A.2.1.		able A.2.1.
Reinforcement Block Height of 16"	As per ta	able A.2.2.	As per ta	able A.2.2.	As per t	able A.2.2.	As per ta	able A.2.2.

NOTES:

Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A. 1.

This table is to be used in conjunction with the "Design Limitations." 2.

Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in 3. the rebar placement drawing.

All four sides of the building are to have a minimum number and length of shear walls that conforms to this table. 4.

Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail. 5.

6. 7. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.

Concentrated reinforcement is to be placed in accordance with Bar Placement Detail. 8.

Horizontal reinforcement in shear walls where Salor > 0.16 must be anchored using a standard 180° hook around vertical end bars. 9. When using this table for $S_{a,ICF} \le 0.16$, use the vertical and horizontal distributed steel in Tables A.2.1. or A.2.2.





Table A.7.800. Above Grade Shear Wall Length for Seismic Zone Classification, S_{a,ICF} ≤ 0.16 and Hourly Wind Pressure, q1/50 ≤ 0.5kPa (in a Building With Walk Basement), where Building Area ≤ 800ft²

Wall Height m (ft)							Se	ismic Zone		ion							
		S _{a,ICI}	: ≤ 0.07					S _{a,ICF}	≤ 0.11					S _{a,ICF}	≤ 0.16		
ond Floor Walls of Two Story ICF St	ucture Supporting W	/ood Frame Ro	of (TYPE E)														
	6" & 8" T	hick Wall	10"	& 12" Thick	Wall	6" 8	8" Thick	Nall	10" 8	& 12" Thick	k Wall	6" 8	8" Thick	Wall	10" 8	12" Thick	Wall
	Number and len	gth of shear wa	lls provided														
2.44 (8)	1 x 5'-2" 2 x 2	2'-8"	1 x 5'-2"	2 x 2'-8"		1 x 5'-2"	2 x 2'-8"		1 x 5'-2"	2 x 2'-8"		1 x 5'-2"	2 x 2'-11"	3 x 2'-8"	1 x 5'-2"	2 x 3'-3"	3 x 2'
2.75 (9)	1 x 5'-2" 2 x 2	2'-8"	1 x 5'-2"	2 x 2'-8"		1 x 5'-2"	2 x 2'-8"		1 x 5'-2"	2 x 2'-10"	3 x 2'-8"	1 x 5'-6"	2 x 3'-6"	3 x 2'-10"	1 x 6'-1"	2 x 3'-7"	3 x 2'
3.05 (10)	1 x 5'-2" 2 x 2	2'-8"	1 x 5'-2"	2 x 2'-8"		1 x 5'-2"	2 x 3'-0"	3 x 2'-8"	1 x 5'-2"	2 x 3'-3"	3 x 2'-8"	1 x 6'-2"	2 x 3'-11"	3 x 3'-3"	1 x 6'-10"	2 x 4'-1"	3 x 3
n Floor Walls of One Story ICF Stru	ture Supporting Wo	od Frame Roof	(TYPE F)														
	6" & 8" T	hick Wall	10"	& 12" Thick	Wall	6" 8	8" Thick	Nall	10" 8	& 12" Thick	(Wall	6" 8	8" Thick	Wall	10" 8	12" Thick	Wall
	Number and len	gth of shear wa	lls provided														
2.44 (8)	1 x 5'-2" 2 x 2	2'-8"	1 x 5'-2"	2 x 2'-8"		1 x 5'-2"	2 x 2'-8"		1 x 5'-2"	2 x 2'-8"		1 x 5'-2"	2 x 2'-8"		1 x 5'-2"	2 x 2'-11"	3 x 2
2.75 (9)	1 x 5'-2" 2 x 2	2'-8"	1 x 5'-2"	2 x 2'-8"		1 x 5'-2"	2 x 2'-8"		1 x 5'-2"	2 x 2'-8"		1 x 5'-2"	2 x 2'-11"	3 x 2'-8"	1 x 5'-6"	2 x 3'-3"	3 x 2
3.05 (10)	1 x 5'-2" 2 x 2	2'-8"	1 x 5'-2"	2 x 2'-8"		1 x 5'-2"	2 x 2'-11"	3 x 2'-8"	1 x 5'-2"	2 x 2'-11"	3 x 2'-8"	1 x 5'-6"	2 x 3'-7"	3 x 2'-10"	1 x 6'-2"	2 x 3'-8"	3 x 2
3.66 (12)	1 x 5'-2" 2 x 2	2'-8"	1 x 5'-2"	2 x 2'-8"		1 x 5'-6"	2 x 3'-7"	3 x 2'-10"	1 x 5'-6"	2 x 3'-7"	3 x 2'-10"	1 x 6'-10"	2 x 4'-7"	3 x 3'-7"	1 x 7'-2"	2 x 4'-7"	3 x 3
4.27 (14)	1 x 5'-2" 2 x 2	'-11" 3 x 2'-8"	1 x 5'-2"	2 x 3'-3"	3 x 2'-8"	1 x 6'-6"	2 x 3'-11"	3 x 3'-0"	1 x 6'-10"	2 x 4'-7"	3 x 3'-6"	1 x 7'-6"	2 x 4'-11"	3 x 3'-11"	1 x 8'-2"	2 x 5'-5"	3 x 4
4.88 (16)	1 x 5'-2" 2 x 3	3'-3" 3 x 2'-8"	1 x 5'-10"	2 x 3'-7"	3 x 2'-11"	1 x 6'-6"	2 x 4'-3"	3 x 3'-3"	1 x 7'-2"	2 x 4'-11"	3 x 3'-8"	1 x 7'-10"	2 x 5'-2"	3 x 4'-3"	1 x 9'-1"	2 x 6'-1"	3 x 4
n Floor Walls of Two Story Structu	e Supporting 2nd Sto	ory Wood Fram	ed Walls, F	loor and Ro	of (TYPE G	i)											
	6" & 8" T	hick Wall	10"	& 12" Thick	Wall	6" 8	8" Thick	Nall	10" 8	& 12" Thick	(Wall	6" 8	8" Thick	Wall	10" 8	12" Thick	Wall
	Number and len	gth of shear wa	lls provided														
2.44 (8)	1 x 5'-2" 2 x 3	3'-3" 3 x 2'-8"	1 x 5'-2"	2 x 3'-3"	3 x 2'-8"	1 x 6'-6"	2 x 3'-11"	3 x 3'-3"	1 x 6'-6"	2 x 4'-3"	3 x 3'-3"	1 x 8'-2"	2 x 5'-2"	3 x 3'-11"	1 x 8'-5"	2 x 5'-2"	3 x 4
2.75 (9)	1 x 5'-2" 2 x 3	3'-3" 3 x 2'-8"	1 x 5'-2"	2 x 3'-3"	3 x 2'-8"	1 x 6'-10"	2 x 4'-3"	3 x 3'-3"	1 x 7'-2"	2 x 4'-7"	3 x 3'-3"	1 x 8'-9"	2 x 5'-6"	3 x 4'-3"	1 x 8'-11"	2 x 5'-10"	3 x 4
3.05 (10)	1 x 5'-6" 2 x 3	3'-7" 3 x 2'-10	" 1 x 5'-6"	2 x 3'-7"	3 x 2'-10"	1 x 7'-6"	2 x 4'-9"	3 x 3'-11"	1 x 7'-6"	2 x 4'-9"	3 x 3'-11"	1 x 9'-1"	2 x 6'-1"	3 x 4'-9"	1 x 9'-5"	2 x 6'-1"	3 x 4
3.66 (12)	1 x 6'-1" 2 x 4	4'-1" 3 x 3'-3"	1 x 6'-1"	2 x 4'-1"	3 x 3'-3"	1 x 8'-0"	2 x 5'-5"	3 x 4'-3"	1 x 8'-0"	2 x 5'-5"	3 x 4'-3"	1 x 9'-9"	2 x 6'-9"	3 x 5'-2"	1 x 9'-9"	2 x 6'-9"	3 x 5
4.27 (14)	1 x 6'-3" 2 x 4	4'-3" 3 x 3'-6"	1 x 6'-9"	2 x 4'-7"	3 x 3'-6"	1 x 8'-3"	2 x 5'-6"	3 x 4'-7"	1 x 8'-9"	2 x 5'-10"	3 x 4'-7"	1 x 10'-1"	2 x 6'-10"	3 x 5'-6"	1 x 10'-7"	2 x 7'-4"	3 x 5
4.88 (16)	1 x 6'-6" 2 x 4	4'-7" 3 x 3'-7"	1 x 7'-2"	2 x 4'-9"	3 x 3'-8"	1 x 8'-5"	2 x 5'-10"	3 x 4'-11"	1 x 9'-1"	2 x 6'-2"	3 x 4'-11"	1 x 10'-1"	2 x 6'-10"	3 x 5'-6"	1 x 11'-1"	2 x 7'-6"	3 x (
Floor Walls of Two Story ICF Stru	ture Supporting Wo	od Frame Floor	s and Roof	(TYPE H)		V	V		N.	V	•	V		V	V		M
	6" & 8" T	hick Wall	10"	& 12" Thick	Wall	6" 8	8" Thick	Nall	10" 8	& 12" Thick	(Wall	6" 8	8" Thick	Wall	10" 8	12" Thick	Wall
	Number and len	gth of shear wa	lls provided														
											2 41 .21	1 v 10' E"	2 ~ 6' 6"	3 x 5'-2"	1 x 10'-9"	2 x 7'-2"	3 x 5
2.44 (8)	1 x 6'-1" 2 x 3	'-11" 3 x 2'-11	" 1 x 6'-6"	2 x 4'-1"	3 x 3'-3"	1 x 8'-2"	2 x 5'-2"	3 x 3'-11"	1 x 8'-8"	2 x 5'-6"						a 71.61	3 x 5
2.44 (8) 2.75 (9)	1 x 6'-1" 2 x 3 1 x 6'-3" 2 x 4			2 x 4'-1" 2 x 4'-3"								1 x 10'-9"		3 x 5'-6"	1 x 11'-5"	2 X / -b"	
	1 x 6'-3" 2 x 4		1 x 7'-2"		3 x 3'-3"	1 x 8'-5"	2 x 5'-5"	3 x 4'-3"	1 x 9'-1"	2 x 5'-10"	3 x 4'-7"		2 x 7'-2"		1 x 11'-5" 1 x 12'-0"		3 x 6
2.75 (9)	1 x 6'-3" 2 x 4	4'-3" 3 x 3'-0" 4'-3" 3 x 3'-3"	1 x 7'-2" 1 x 7'-2"	2 x 4'-3"	3 x 3'-3" 3 x 3'-7"	1 x 8'-5" 1 x 8'-11"	2 x 5'-5" 2 x 5'-10"	3 x 4'-3" 3 x 4'-7"	1 x 9'-1" 1 x 9'-9"	2 x 5'-10" 2 x 6'-2"	3 x 4'-7" 3 x 4'-11"	1 x 10'-9" 1 x 11'-5"	2 x 7'-2" 2 x 7'-6"	3 x 5'-10"	1 x 12'-0"	2 x 7'-10"	
2.75 (9) 3.05 (10)	1 x 6'-3" 2 x 4 1 x 6'-9" 2 x 4	4'-3" 3 x 3'-0" 4'-3" 3 x 3'-3" '-11" 3 x 3'-11	1 x 7'-2" 1 x 7'-2" 1 x 7'-6"	2 x 4'-3" 2 x 4'-7"	3 x 3'-3" 3 x 3'-7" 3 x 3'-11"	1 x 8'-5" 1 x 8'-11"	2 x 5'-5" 2 x 5'-10" 2 x 6'-6"	3 x 4'-3" 3 x 4'-7" 3 x 4'-12"	1 x 9'-1" 1 x 9'-9" 1 x 9'-9"	2 x 5'-10" 2 x 6'-2" 2 x 6'-6"	3 x 4'-7" 3 x 4'-11" 3 x 4'-12"	1 x 10'-9" 1 x 11'-5"	2 x 7'-2" 2 x 7'-6" 2 x 8'-0"	3 x 5'-10" 3 x 6'-3"	1 x 12'-0" 1 x 12'-4"	2 x 7'-10" 2 x 8'-0"	3 x 6
2.75 (9) 3.05 (10) 3.66 (12)	1 x 6'-3" 2 x 4 1 x 6'-9" 2 x 4 1 x 7'-6" 2 x 4	4'-3" 3 x 3'-0" 4'-3" 3 x 3'-3" '-11" 3 x 3'-11 5'-2" 3 x 4'-3"	1 x 7'-2" 1 x 7'-2" 1 x 7'-6" 1 x 8'-2"	2 x 4'-3" 2 x 4'-7" 2 x 4'-11" 2 x 5'-6"	3 x 3'-3" 3 x 3'-7" 3 x 3'-11" 3 x 4'-7"	1 x 8'-5" 1 x 8'-11" 1 x 9'-5" 1 x 9'-9"	2 x 5'-5" 2 x 5'-10" 2 x 6'-6" 2 x 6'-6"	3 x 4'-3" 3 x 4'-7" 3 x 4'-12" 3 x 5'-2"	1 x 9'-1" 1 x 9'-9" 1 x 9'-9" 1 x 10'-9"	2 x 5'-10" 2 x 6'-2" 2 x 6'-6" 2 x 7'-2"	3 x 4'-7" 3 x 4'-11" 3 x 4'-12" 3 x 5'-10"	1 x 10'-9" 1 x 11'-5" 1 x 11'-8" 1 x 11'-11"	2 x 7'-2" 2 x 7'-6" 2 x 8'-0" 2 x 8'-2"	3 x 5'-10" 3 x 6'-3" 3 x 6'-6"	1 x 12'-0" 1 x 12'-4" 1 x 13'-8"	2 x 7'-10" 2 x 8'-0" 2 x 8'-9"	3 x 6 3 x 7
2.75 (9) 3.05 (10) 3.66 (12) 4.27 (14)	1 x 6'-3" 2 x 4 1 x 6'-9" 2 x 4 1 x 7'-6" 2 x 4 1 x 7'-6" 2 x 5	4'-3" 3 x 3'-0" 4'-3" 3 x 3'-3" 1'-11" 3 x 3'-11 5'-2" 3 x 4'-3" 5'-2" 3 x 4'-3"	1 x 7'-2" 1 x 7'-2" 1 x 7'-6" 1 x 8'-2"	2 x 4'-3" 2 x 4'-7" 2 x 4'-11" 2 x 5'-6"	3 x 3'-3" 3 x 3'-7" 3 x 3'-11" 3 x 4'-7"	1 x 8'-5" 1 x 8'-11" 1 x 9'-5" 1 x 9'-9"	2 x 5'-5" 2 x 5'-10" 2 x 6'-6" 2 x 6'-6"	3 x 4'-3" 3 x 4'-7" 3 x 4'-12" 3 x 5'-2"	1 x 9'-1" 1 x 9'-9" 1 x 9'-9" 1 x 10'-9" 1 x 11'-5"	2 x 5'-10" 2 x 6'-2" 2 x 6'-6" 2 x 7'-2"	3 x 4'-7" 3 x 4'-11" 3 x 4'-12" 3 x 5'-10"	1 x 10'-9" 1 x 11'-5" 1 x 11'-8" 1 x 11'-11"	2 x 7'-2" 2 x 7'-6" 2 x 8'-0" 2 x 8'-2"	3 x 5'-10" 3 x 6'-3" 3 x 6'-6"	1 x 12'-0" 1 x 12'-4" 1 x 13'-8" 1 x 13'-8"	2 x 7'-10" 2 x 8'-0" 2 x 8'-9"	3 x 0 3 x 1
2.75 (9) 3.05 (10) 3.66 (12) 4.27 (14) 4.88 (16)	1 x 6'-3" 2 x 4 1 x 6'-9" 2 x 4 1 x 7'-6" 2 x 4 1 x 7'-6" 2 x 5	4'-3" 3 x 3'-0" 4'-3" 3 x 3'-3" '-11" 3 x 3'-11 5'-2" 3 x 4'-3" 5'-2" 3 x 4'-3" As per t	1 x 7'-2" 1 x 7'-2" 1 x 7'-6" 1 x 8'-2" 1 x 8'-5"	2 x 4'-3" 2 x 4'-7" 2 x 4'-11" 2 x 5'-6"	3 x 3'-3" 3 x 3'-7" 3 x 3'-11" 3 x 4'-7"	1 x 8'-5" 1 x 8'-11" 1 x 9'-5" 1 x 9'-9"	2 x 5'-5" 2 x 5'-10" 2 x 6'-6" 2 x 6'-6"	3 x 4'-3" 3 x 4'-7" 3 x 4'-12" 3 x 5'-2" -3 x 5'-2"	1 x 9'-1" 1 x 9'-9" 1 x 9'-9" 1 x 10'-9" 1 x 11'-5" ble A.1.1.	2 x 5'-10" 2 x 6'-2" 2 x 6'-6" 2 x 7'-2"	3 x 4'-7" 3 x 4'-11" 3 x 4'-12" 3 x 5'-10"	1 x 10'-9" 1 x 11'-5" 1 x 11'-8" 1 x 11'-11"	2 x 7'-2" 2 x 7'-6" 2 x 8'-0" 2 x 8'-2"	3 x 5'-10" 3 x 6'-3" 3 x 6'-6" 3 x 6'-6" As per ta	1 x 12'-0" 1 x 12'-4" 1 x 13'-8" 1 x 13'-8"	2 x 7'-10" 2 x 8'-0" 2 x 8'-9"	3 x 6 3 x 7
2.75 (9) 3.05 (10) 3.66 (12) 4.27 (14) 4.88 (16) Vertical ICF with 6" Tie Specing	1 x 6'-3" 2 x 4 1 x 6'-9" 2 x 4 1 x 7'-6" 2 x 4 1 x 7'-6" 2 x 5 1 x 7'-7 1 x 7'-7	4'-3" 3 x 3'-0" 4'-3" 3 x 3'-3" '-11" 3 x 3'-11 5'-2" 3 x 4'-3" 5'-2" 3 x 4'-3" As per t	1 x 7'-2" 1 x 7'-2" 1 x 7'-6" 1 x 8'-2" 1 x 8'-2" able A.1.1. able A.1.2.	2 x 4'-3" 2 x 4'-7" 2 x 4'-11" 2 x 5'-6"	3 x 3'-3" 3 x 3'-7" 3 x 3'-11" 3 x 4'-7"	1 x 8'-5" 1 x 8'-11" 1 x 9'-5" 1 x 9'-9"	2 x 5'-5" 2 x 5'-10" 2 x 6'-6" 2 x 6'-6"	3 x 4'-3" 3 x 4'-7" 3 x 4'-12" 3 x 5'-2" 3 x 5'-2" As per ta	1 x 9'-1" 1 x 9'-9" 1 x 9'-9" 1 x 10'-9" 1 x 11'-5" ble A.1.1. ble A.1.2.	2 x 5'-10" 2 x 6'-2" 2 x 6'-6" 2 x 7'-2"	3 x 4'-7" 3 x 4'-11" 3 x 4'-12" 3 x 5'-10"	1 x 10'-9" 1 x 11'-5" 1 x 11'-8" 1 x 11'-11"	2 x 7'-2" 2 x 7'-6" 2 x 8'-0" 2 x 8'-2"	3 x 5'-10" 3 x 6'-3" 3 x 6'-6" 3 x 6'-6" As per ta	1 x 12'-0" 1 x 12'-4" 1 x 13'-8" 1 x 13'-8" ble A.1.1. ble A.1.2.	2 x 7'-10" 2 x 8'-0" 2 x 8'-9" 2 x 9'-4"	3 x 6 3 x 7

1. Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A.

2. This table is to be used in conjunction with the "Design Limitations."

Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in 3. the rebar placement drawing.

All four sides of the building are to have a minimum number and length of shear walls that conforms to this table. 4.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail. 6. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.

7.

Concentrated reinforcement is to be placed in accordance with Bar Placement Detail. 8.

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Table A.8.800. Above Grade Shear Wall Length for Seismic Zone Classification, Sa,ICF ≤ 0.16 and Hourly Wind Pressure, 0.5kPa < q1/50 \leq 0.75kPa (in a Building With Walkout Basement), where Building Area ≤ 800ft²

Wall Height m (ft)						Se		Classificati	ion							
		S _{a,ICF} ≤ 0.07					S _{a,ICF}	≤ 0.11					S _{a,ICF} :	≤ 0.16		
d Floor Walls of Two Story ICF Str								-						-		
	6" & 8" Thick Wall	10	" & 12" Thick	k Wall	6" 8	8" Thick	Nall	10" 8	& 12" Thick	Wall	6" 8	8" Thick	Wall	10" 8	k 12" Thick	Wall
	Number and length of shea															
2.44 (8)		-	" 2 x 2'-8"		1 x 5'-2"			-	2 x 2'-8"		-		3 x 2'-8"	-		
2.75 (9)	143 2 242 0	1 x 5'-2	" 2 x 2'-8"		1 x 5'-2"					3 x 2'-8"			3 x 2'-10"			
3.05 (10)	1 x 5'-2" 2 x 2'-8"		" 2 x 2'-8"		1 x 5'-2"	2 x 3'-3"	3 x 2'-8"	1 x 5'-2"	2 x 3'-3"	3 x 2'-8"	1 x 6'-6"	2 x 4'-3"	3 x 3'-3"	1 x 6'-10"	2 x 4'-1"	3 x
Floor Walls of One Story ICF Struc		Roof (TYPE F)						-						-		
	6" & 8" Thick Wall	10	" & 12" Thick	k Wall	6" 8	8" Thick	Nall	10" 8	& 12" Thick	Wall	6" 8	8" Thick	Wall	10" 8	k 12" Thick	Wall
	Number and length of shea	r walls provide	d													
2.44 (8)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2	" 2 x 2'-8"		1 x 5'-2"	2 x 2'-8"		1 x 5'-2"	2 x 2'-8"		1 x 5'-2"	2 x 2'-11"	3 x 2'-8"	1 x 5'-2"	2 x 2'-11"	3 x
2.75 (9)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2	" 2 x 2'-8"		1 x 5'-2"	2 x 2'-8"		1 x 5'-2"	2 x 2'-8"		1 x 5'-2"	2 x 2'-11"	3 x 2'-8"	1 x 5'-6"	2 x 3'-3"	3 x
3.05 (10)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2	" 2 x 2'-8"		1 x 5'-2"	2 x 2'-11"	3 x 2'-8"	1 x 5'-2"	2 x 2'-11"	3 x 2'-8"	1 x 5'-10"	2 x 3'-11"	3 x 2'-11"	1 x 6'-2"	2 x 3'-8"	3 x 3
3.66 (12)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2	" 2 x 2'-10"	3 x 2'-8"	1 x 5'-6"	2 x 3'-7"	3 x 2'-10"	1 x 5'-8"	2 x 3'-8"	3 x 2'-10"	1 x 6'-10"	2 x 4'-7"	3 x 3'-7"	1 x 7'-2"	2 x 4'-7"	3 x
4.27 (14)	1 x 5'-2" 2 x 2'-11" 3 x	2'-8" 1 x 5'-2	" 2 x 3'-3"	3 x 2'-8"	1 x 6'-6"	2 x 3'-11"	3 x 3'-0"	1 x 6'-10"	2 x 4'-7"	3 x 3'-6"	1 x 7'-6"	2 x 4'-11"	3 x 3'-11"	1 x 8'-2"	2 x 5'-5"	3 x
4.88 (16)	1 x 5'-2" 2 x 3'-3" 3 x	2'-8" 1 x 5'-1	0" 2 x 3'-7"	3 x 2'-11"	1 x 6'-6"	2 x 4'-3"	3 x 3'-3"	1 x 7'-2"	2 x 4'-11"	3 x 3'-8"	1 x 7'-10"	2 x 5'-2"	3 x 4'-3"	1 x 9'-1"	2 x 6'-1"	3 x
Floor Walls of Two Story Structur	Supporting 2nd Story Wood	Framed Walls,	Floor and R	oof (TYPE G	5)											
	6" & 8" Thick Wall	10	" & 12" Thick	k Wall	6" 8	8" Thick	Nall	10" 8	& 12" Thick	Wall	6" 8	8" Thick	Wall	10" 8	k 12" Thick	Wal
	Number and length of shea	r walls provide	d													
2.44 (8)	1 x 5'-2" 2 x 3'-3" 3 x	2'-8" 1 x 5'-2	" 2 x 3'-3"	3 x 2'-8"	1 x 6'-9"	2 x 4'-4"	3 x 3'-6"	1 x 6'-6"	2 x 4'-3"	3 x 3'-3"	1 x 8'-5"	2 x 5'-6"	3 x 4'-3"	1 x 8'-5"	2 x 5'-2"	3 x
2.75 (9)	1 x 5'-2" 2 x 3'-3" 3 x	2'-8" 1 x 5'-2	" 2 x 3'-3"	3 x 2'-8"	1 x 6'-10"	2 x 4'-4"	3 x 3'-3"	1 x 7'-2"	2 x 4'-7"	3 x 3'-3"	1 x 8'-9"	2 x 5'-6"	3 x 4'-3"	1 x 8'-11"	2 x 5'-10"	3 x
3.05 (10)	1 x 5'-8" 2 x 3'-8" 3 x 2	'-10" 1 x 5'-6	2 x 3'-7"	3 x 2'-10"	1 x 7'-6"	2 x 4'-11"	3 x 3'-11"	1 x 7'-6"	2 x 4'-9"	3 x 3'-11"	1 x 9'-4"	2 x 6'-2"	3 x 4'-9"	1 x 9'-5"	2 x 6'-1"	3 x
3.66 (12)	1 x 6'-1" 2 x 4'-1" 3 x	3'-3" 1 x 6'-1	" 2 x 4'-1"	3 x 3'-3"	1 x 8'-0"	2 x 5'-5"	3 x 4'-3"	1 x 8'-0"	2 x 5'-5"	3 x 4'-3"	1 x 9'-9"	2 x 6'-9"	3 x 5'-2"	1 x 9'-9"	2 x 6'-9"	3 x
4.27 (14)	1 x 6'-3" 2 x 4'-3" 3 x	3'-6" 1 x 6'-9	2 x 4'-7"	3 x 3'-6"	1 x 8'-3"	2 x 5'-6"	3 x 4'-7"	1 x 8'-9"	2 x 5'-10"	3 x 4'-7"	1 x 10'-1"	2 x 6'-10"	3 x 5'-6"	1 x 10'-7"	2 x 7'-4"	3 x !
4.88 (16)	1 x 6'-6" 2 x 4'-7" 3 x	3'-7" 1 x 7'-2	" 2 x 4'-9"	3 x 3'-8"	1 x 8'-5"	2 x 5'-10"	3 x 4'-11"	1 x 9'-1"	2 x 6'-2"	3 x 4'-11"	1 x 10'-1"	2 x 6'-10"	3 x 5'-6"	1 x 11'-1"	2 x 7'-6"	3 x
Floor Walls of Two Story ICF Struc	ure Supporting Wood Frame I	loors and Roo	of (TYPE H)		V	V		\sim	V		V		V	V		1
	6" & 8" Thick Wall	10	" & 12" Thick	k Wall	6" 8	8" Thick	Nall	10" 8	& 12" Thick	Wall	6" 8	8" Thick	Wall	10" 8	k 12" Thick	Wal
	Number and length of shea	r walls provide	d													
										0 4 0	1 x 10'-5"	2 x 6'-6"	3 x 5'-2"	1 x 10'-9"	2 x 7'-2"	3 x
2.44 (8)	1 x 6'-1" 2 x 3'-11" 3 x	3'-0" 1 x 6'-6	2 x 4'-1"	3 x 3'-3"	1 x 8'-2"	2 x 5'-2"	3 x 4'-1"	1 x 8'-8"	2 x 5'-6"	3 X 4 - 3					271.61	3 x '
2.44 (8) 2.75 (9)	1 x 6'-1" 2 x 3'-11" 3 x 1 x 6'-3" 2 x 4'-3" 3 x		" 2 x 4'-1" " 2 x 4'-3"								1 x 10'-9"		3 x 5'-6"	1 x 11'-5"	2 X / -0	
		3'-0" 1 x 7'-2		3 x 3'-3"	1 x 8'-5"	2 x 5'-5"	3 x 4'-3"	1 x 9'-1"	2 x 5'-10"	3 x 4'-7"		2 x 7'-2"				
2.75 (9)	1 x 6'-3" 2 x 4'-3" 3 x	3'-0" 1 x 7'-2 3'-7" 1 x 7'-2	" 2 x 4'-3"	3 x 3'-3" 3 x 3'-7"	1 x 8'-5" 1 x 9'-1"	2 x 5'-5" 2 x 6'-2"	3 x 4'-3" 3 x 4'-9"	1 x 9'-1" 1 x 9'-9"	2 x 5'-10" 2 x 6'-2"	3 x 4'-7" 3 x 4'-11"	1 x 10'-9"	2 x 7'-2" 2 x 7'-6"	3 x 5'-10"	1 x 12'-0"	2 x 7'-10"	3 x
2.75 (9) 3.05 (10)	1 x 6'-3" 2 x 4'-3" 3 x 1 x 7'-2" 2 x 4'-7" 3 x	3'-0" 1 x 7'-2 3'-7" 1 x 7'-2 1'-11" 1 x 7'-6	2 x 4'-3" 2 x 4'-7"	3 x 3'-3" 3 x 3'-7" 3 x 3'-11"	1 x 8'-5" 1 x 9'-1" 1 x 9'-5"	2 x 5'-5" 2 x 6'-2" 2 x 6'-6"	3 x 4'-3" 3 x 4'-9" 3 x 4'-12"	1 x 9'-1" 1 x 9'-9" 1 x 9'-9"	2 x 5'-10" 2 x 6'-2" 2 x 6'-6"	3 x 4'-7" 3 x 4'-11" 3 x 5'-2"	1 x 10'-9" 1 x 11'-5" 1 x 11'-8"	2 x 7'-2" 2 x 7'-6" 2 x 8'-0"	3 x 5'-10" 3 x 6'-3"	1 x 12'-0" 1 x 12'-4"	2 x 7'-10" 2 x 8'-2"	3 x 3 x
2.75 (9) 3.05 (10) 3.66 (12)	1 x 6'-3" 2 x 4'-3" 3 x 1 x 7'-2" 2 x 4'-7" 3 x 1 x 7'-6" 2 x 4'-11" 3 x 3	3'-0" 1 x 7'-2 3'-7" 1 x 7'-2 1'-11" 1 x 7'-6 4'-3" 1 x 8'-2	2 x 4'-3" 2 x 4'-7" 2 x 4'-7" 2 x 4'-12" 2 x 5'-6"	3 x 3'-3" 3 x 3'-7" 3 x 3'-11" 3 x 4'-7"	1 x 8'-5" 1 x 9'-1" 1 x 9'-5" 1 x 9'-9"	2 x 5'-5" 2 x 6'-2" 2 x 6'-6" 2 x 6'-6"	3 x 4'-3" 3 x 4'-9" 3 x 4'-12" 3 x 5'-2"	1 x 9'-1" 1 x 9'-9" 1 x 9'-9" 1 x 10'-9"	2 x 5'-10" 2 x 6'-2" 2 x 6'-6" 2 x 7'-2"	3 x 4'-7" 3 x 4'-11" 3 x 5'-2" 3 x 5'-10"	1 x 10'-9" 1 x 11'-5" 1 x 11'-8" 1 x 11'-11"	2 x 7'-2" 2 x 7'-6" 2 x 8'-0" 2 x 8'-2"	3 x 5'-10" 3 x 6'-3" 3 x 6'-6"	1 x 12'-0" 1 x 12'-4" 1 x 13'-8"	2 x 7'-10" 2 x 8'-2" 2 x 8'-9"	3 x 3 x 3 x
2.75 (9) 3.05 (10) 3.66 (12) 4.27 (14)	1 x 6'-3" 2 x 4'-3" 3 x 1 x 7'-2" 2 x 4'-7" 3 x 1 x 7'-6" 2 x 4'-11" 3 x 3 1 x 7'-6" 2 x 5'-2" 3 x 1 x 7'-6" 2 x 5'-2" 3 x	3'-0" 1 x 7'-2 3'-7" 1 x 7'-2 1'-11" 1 x 7'-6 4'-3" 1 x 8'-2	2 x 4'-3" 2 x 4'-7" 2 x 4'-12" 2 x 5'-6" 2 x 5'-10"	3 x 3'-3" 3 x 3'-7" 3 x 3'-11" 3 x 4'-7"	1 x 8'-5" 1 x 9'-1" 1 x 9'-5" 1 x 9'-9"	2 x 5'-5" 2 x 6'-2" 2 x 6'-6" 2 x 6'-6"	3 x 4'-3" 3 x 4'-9" 3 x 4'-12" 3 x 5'-2"	1 x 9'-1" 1 x 9'-9" 1 x 9'-9" 1 x 10'-9" 1 x 11'-5"	2 x 5'-10" 2 x 6'-2" 2 x 6'-6" 2 x 7'-2"	3 x 4'-7" 3 x 4'-11" 3 x 5'-2" 3 x 5'-10"	1 x 10'-9" 1 x 11'-5" 1 x 11'-8" 1 x 11'-11"	2 x 7'-2" 2 x 7'-6" 2 x 8'-0" 2 x 8'-2"	3 x 5'-10" 3 x 6'-3" 3 x 6'-6"	1 x 12'-0" 1 x 12'-4" 1 x 13'-8" 1 x 13'-8"	2 x 7'-10" 2 x 8'-2" 2 x 8'-9"	3 x 3 x 3 x
2.75 (9) 3.05 (10) 3.66 (12) 4.27 (14) 4.88 (16)	1 x 6'-3" 2 x 4'-3" 3 x 1 x 7'-2" 2 x 4'-7" 3 x 1 x 7'-6" 2 x 4'-1" 3 x 1 x 7'-6" 2 x 5'-2" 3 x 1 x 7'-6" 2 x 5'-2" 3 x 1 x 7'-6" 2 x 5'-2" 3 x 4 x 7'-6" 2 x 5'-2" 3 x	3'-0" 1 x 7'-2 3'-7" 1 x 7'-2 1'-11" 1 x 7'-6 4'-3" 1 x 8'-2 4'-3" 1 x 8'-5	2 x 4'-3" 2 x 4'-7" 2 x 4'-12" 2 x 5'-6" 2 x 5'-10"	3 x 3'-3" 3 x 3'-7" 3 x 3'-11" 3 x 4'-7"	1 x 8'-5" 1 x 9'-1" 1 x 9'-5" 1 x 9'-9"	2 x 5'-5" 2 x 6'-2" 2 x 6'-6" 2 x 6'-6"	3 x 4'-3" 3 x 4'-9" 3 x 4'-12" 3 x 5'-2" 3 x 5'-2" As per ta	1 x 9'-1" 1 x 9'-9" 1 x 9'-9" 1 x 10'-9" 1 x 11'-5"	2 x 5'-10" 2 x 6'-2" 2 x 6'-6" 2 x 7'-2"	3 x 4'-7" 3 x 4'-11" 3 x 5'-2" 3 x 5'-10"	1 x 10'-9" 1 x 11'-5" 1 x 11'-8" 1 x 11'-11"	2 x 7'-2" 2 x 7'-6" 2 x 8'-0" 2 x 8'-2"	3 x 5'-10" 3 x 6'-3" 3 x 6'-6" 3 x 6'-6"	1 x 12'-0" 1 x 12'-4" 1 x 13'-8" 1 x 13'-8" ble A.1.1.	2 x 7'-10" 2 x 8'-2" 2 x 8'-9"	3 x 3 x 3 x
2.75 (9) 3.05 (10) 3.66 (12) 4.27 (14) 4.88 (16) rertical ICF with 6" Tie Specing	1 x 6'-3" 2 x 4'-3" 3 x 1 x 7'-2" 2 x 4'-7" 3 x 1 x 7'-6" 2 x 4'-11" 3 x 1 x 7'-6" 2 x 5'-2" 3 x 1 x 7'-6" 2 x 5'-2" 3 x X 7'-6" 2 x 5'-2" 3 x As	3'-0" 1 x 7'-2 3'-7" 1 x 7'-2 i'-11" 1 x 7'-2 4'-3" 1 x 8'-2 4'-3" 1 x 8'-2 per table A.1.1 per table A.1.2	2 x 4'-3" 2 x 4'-7" 2 x 4'-12" 2 x 5'-6" 2 x 5'-10"	3 x 3'-3" 3 x 3'-7" 3 x 3'-11" 3 x 4'-7"	1 x 8'-5" 1 x 9'-1" 1 x 9'-5" 1 x 9'-9"	2 x 5'-5" 2 x 6'-2" 2 x 6'-6" 2 x 6'-6"	3 x 4'-3" 3 x 4'-9" 3 x 4'-12" 3 x 5'-2" 3 x 5'-2" As per ta	1 x 9'-1" 1 x 9'-9" 1 x 9'-9" 1 x 10'-9" 1 x 11'-5" ble A.1.1. ble A.1.2.	2 x 5'-10" 2 x 6'-2" 2 x 6'-6" 2 x 7'-2"	3 x 4'-7" 3 x 4'-11" 3 x 5'-2" 3 x 5'-10"	1 x 10'-9" 1 x 11'-5" 1 x 11'-8" 1 x 11'-11"	2 x 7'-2" 2 x 7'-6" 2 x 8'-0" 2 x 8'-2"	3 x 5'-10" 3 x 6'-3" 3 x 6'-6" 3 x 6'-6" As per ta	1 x 12'-0" 1 x 12'-4" 1 x 13'-8" 1 x 13'-8" ble A.1.1. ble A.1.2.	2 x 7'-10" 2 x 8'-2" 2 x 8'-9"	3 x 3 x 3 x

 $S_{a,\text{ICF}}$ is equivalent spectral response acceleration for ICF walls as provided in Appendix A. This table is to be used in conjunction with the "Design Limitations." 1.

2

Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in 3. the rebar placement drawing.

All four sides of the building are to have a minimum number and length of shear walls that conforms to this table. 4.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

6. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

7. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.

Concentrated reinforcement is to be placed in accordance with Bar Placement Detail. 8





Table A.9.800. Above Grade Shear Wall Length for Seismic Zone Classification, S_{a,ICF} ≤ 0.16 and Hourly Wind Pressure, 0.75kPa < q1/50 ≤ 1.05kPa (in a Building With Walkout Basement), where Building Area ≤ 800ft²

Wall Height m (ft)				Classification		
	S _{a,ICI}	₂ ≤ 0.07	S _{a,ICF}	≤ 0.11	S _{a,ICF}	≤ 0.16
cond Floor Walls of Two Story ICF St	ucture Supporting Wood Frame Ro	of (TYPE E)				
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x 2'
2.75 (9)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-10" 3 x 2'-8"	1 x 5'-2" 2 x 3'-0" 3 x 2'-8"	1 x 5'-6" 2 x 3'-6" 3 x 2'-10"	1 x 6'-1" 2 x 3'-11" 3 x 3'
3.05 (10)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"	1 x 6'-6" 2 x 4'-3" 3 x 3'-3"	1 x 6'-10" 2 x 4'-1" 3 x 3
in Floor Walls of One Story ICF Strue	ture Supporting Wood Frame Roof	(TYPE F)				
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa	lls provided				
2.44 (8)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-11" 3 x 2'-8"	1 x 5'-2" 2 x 2'-11" 3 x 2
2.75 (9)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-10" 3 x 2'-8"	1 x 5'-2" 2 x 3'-0" 3 x 2'-8"	1 x 5'-6" 2 x 3'-6" 3 x 2'
3.05 (10)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-11" 3 x 2'-8"	1 x 5'-2" 2 x 2'-11" 3 x 2'-8"	1 x 5'-10" 2 x 3'-11" 3 x 2'-11"	1 x 6'-2" 2 x 3'-8" 3 x 2
3.66 (12)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-10" 3 x 2'-8"	1 x 5'-6" 2 x 3'-7" 3 x 2'-10'	1 x 5'-8" 2 x 3'-8" 3 x 2'-10"	1 x 6'-10" 2 x 4'-7" 3 x 3'-7"	1 x 7'-2" 2 x 4'-7" 3 x 3
4.27 (14)	1 x 5'-2" 2 x 2'-11" 3 x 2'-8"	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"	1 x 6'-6" 2 x 3'-11" 3 x 3'-0"	1 x 6'-10" 2 x 4'-7" 3 x 3'-6"	1 x 7'-6" 2 x 4'-11" 3 x 3'-11"	1 x 8'-2" 2 x 5'-5" 3 x 4
4.88 (16)	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"	1 x 5'-10" 2 x 3'-7" 3 x 2'-11	" 1 x 6'-6" 2 x 4'-3" 3 x 3'-3"	1 x 7'-2" 2 x 4'-11" 3 x 3'-8"	1 x 7'-10" 2 x 5'-2" 3 x 4'-3"	1 x 9'-1" 2 x 6'-1" 3 x 4
in Floor Walls of Two Story Structur	e Supporting 2nd Story Wood Fram	ed Walls, Floor and Roof (TYPE	G)			
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa				-	
2.44 (8)	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"					
2.75 (9)	1 x 5'-2" 2 x 3'-3" 3 x 2'-8"			1 x 7'-2" 2 x 4'-7" 3 x 3'-7"		
3.05 (10)	1 x 5'-8" 2 x 3'-8" 3 x 2'-10					
3.66 (12)	1 x 6'-1" 2 x 4'-1" 3 x 3'-3"		1 x 8'-0" 2 x 5'-5" 3 x 4'-3"	1 x 8'-0" 2 x 5'-5" 3 x 4'-3"		
4.27 (14)					1 x 10'-1" 2 x 6'-10" 3 x 5'-6"	
4.88 (16)			1 x 8'-5" 2 x 5'-10" 3 x 4'-11	1 x 9'-1" 2 x 6'-2" 3 x 4'-11"	1 x 10'-1" 2 x 6'-10" 3 x 5'-6"	1 x 11'-1" 2 x 7'-6" 3 x 6
in Floor Walls of Two Story ICF Strue			Y	<u> </u>	<u> </u>	V V
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wa		1	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
2.44 (8)					1 x 10'-5" 2 x 6'-6" 3 x 5'-2"	
2.75 (9)	1 x 6'-3" 2 x 4'-3" 3 x 3'-0"				1 x 10'-9" 2 x 7'-2" 3 x 5'-6"	
3.05 (10)	1 x 7'-2" 2 x 4'-7" 3 x 3'-7"				1 x 11'-5" 2 x 7'-6" 3 x 5'-10"	
3.66 (12)	1 x 7'-6" 2 x 4'-11" 3 x 3'-11		" 1 x 9'-5" 2 x 6'-6" 3 x 4'-12"		1 x 11'-8" 2 x 8'-0" 3 x 6'-3"	
4.27 (14)	1 x 7'-6" 2 x 5'-2" 3 x 4'-3"				1 x 11'-11" 2 x 8'-2" 3 x 6'-6"	
4.88 (16)		1 x 8'-5" 2 x 5'-10" 3 x 4'-7"		1 x 11'-5" 2 x 7'-10" 3 x 5'-10"		1 x 13'-8" 2 x 9'-4" 3 x 7
Vertical ICF with 6" Tie Specing		able A.1.1.		able A.1.1.		ble A.1.1.
einforcement ICF with 8" Tie Specing		able A.1.2.		able A.1.2.	· · · · · · · · · · · · · · · · · · ·	ble A.1.2.
Horizontal Block Height of 12" and			10 M @		10 M @	
teinforcement Block Height of 16"	10 M @	400 (16)	10 M @	400 (16)	10 M @	400 (16)

Sa,ICF is equivalent spectral response acceleration for ICF walls as provided in Appendix A. 1.

This table is to be used in conjunction with the "Design Limitations." 2.

Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in З. the rebar placement drawing.

4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.

5. Use Table A.6 for buildings that do not meet the required wall length of this table.

6. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required. 7.

Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.





Table A.10.800. Above Grade Shear Wall Length for Seismic Zone Classification, Sa,ICF > 0.16 and Hourly Wind Pressure, q1/50 ≤ 1.05kPa (in a Building With Walkout Basement), where Building Area ≤ 800ft²

Wall Height m (ft)				Solomic Zone	Classification			
		arrt ≤ 0.16	S	≤ 0.31		≤ 0.53	S.m.	≤ 0.79
and Elear Walls of Two Story	ICF Structure Supporting Wood Frame		34,0	30.31	340	20.00	34,10	30.75
nia Piobi Walls of Two Story	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear		o do mici van	10 G IL HICK HUI				
2.44 (8)	1 x 5'-2" 2 x 2'-8"	1 x 5'-2" 2 x 2'-8"	1 x 5'-10" 2 x 4'-0"	1 x 5'-10" 2 x 4'-0"	1 x 7' 2" 2 x 4' 11" 2 x 4' 0"	1 x 7'-6" 2 x 5'-2" 3 x 4'-1"	1 4 9' 3" 3 4 5' 6" 3 4 4' 7"	1 x 8'-2" 2 x 5'-10" 3 x 4
2.75 (9)	1 x 5'-2" 2 x 2'-11" 3 x 2					1 x 8'-2" 2 x 5'-10" 3 x 4'-7"		
3.05 (10)		-8" 1x5-2" 2x2-11" 3x2-8 -8" 1x5'-2" 2x3'-3" 3x2'-8				1 x 8'-2" 2 x 5'-10" 3 x 4'-7" 1 x 9'-1" 2 x 6'-2" 3 x 5'-0"		
	Structure Supporting Wood Frame Re		1 x / - z 2 x 3 - 0	1 1 7 -0 2 1 5 -2 3 1 5 -0	1x8-9 2x6-2 3x5-0	1 x 9 - 1 2 x 6 - 2 3 x 5 - 0	1 x 9 - 9 2 x 6 - 10 3 x 5 - 6	1 X 10 -1 2 X 0 -10 3 X
n Floor Walls of One Story IC	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear		6 & 8 THICK Wall	10 & 12 THICK Wall	6 & 6 Thick Wall	10 & 12 Thick Wall	6 & 8 Thick Wall	10 & 12 Thick Wall
2.44 (8)	1 x 5'-2" 2 x 2'-8"		1 x 5'-10" 2 x 4'-0"	1 x 5'-10" 2 x 4'-0"	1 x 6'-6" 2 x 4'-7" 3 x 4'-0"	1 x 6'-10" 2 x 4'-7" 3 x 4'-0"	1 x 7'-2" 2 x 5'-2" 3 x 4'-3"	1
2.44 (8)	1x5-2 2x2-8 1x5'-2" 2x2'-8"		1 x 5'-10" 2 x 4'-6"	1x6'-6" 2x4'-6"	1x7'-6" 2x4-7 3x4-0 1x7'-6" 2x5'-2" 3x4'-6"		1 x 7 - 2 2 x 5 - 2 3 x 4 - 3 1 x 8' - 2" 2 x 5' - 10" 3 x 4' - 7"	1 x 8'-5" 2 x 5'-10" 3 x 4
3.05 (10)	1x5-2 2x2-8 1x5'-2" 2x2'-11" 3x2			1 x 7'-2" 2 x 5'-0"		1 x 7 -6 2 x 5 -2 3 x 4 -6 1 x 8'-5" 2 x 5'-10" 3 x 5'-0"	1 x 9'-1" 2 x 6'-6" 3 x 5'-2"	
3.66 (12)	1x5'-2" 2x3'-6" 3x2'			1 x 8'-9" 2 x 6'-0"		1 x 10'-1" 2 x 6'-10" 3 x 6'-0"		
4.27 (14)	1x5'-2 2x3'-0 3x2'		1 x 8'-5" 2 x 7'-0"	1 x 8'-9" 2 x 7'-0"		1 x 11'-8" 2 x 8'-2" 3 x 7'-0"		
4.88 (16)		'-3" 1 x 6'-10" 2 x 4'-9" 3 x 3'-8"		1 x 9'-9" 2 x 8'-0"		1 x 13'-4" 2 x 9'-1" 3 x 8'-0"		
	ructure Supporting 2nd Story Wood F			1.00	1111 4 210 2 310 0	1113 4 [113 1] 510 0	1414 4 1245 5 1540 0	1 1 1 1 1 1 1 1 1 1
il Floor Walls of Two Story St	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear							
2.44 (8)	1 x 6'-6" 2 x 4'-3" 3 x 3		1 x 9'-1" 2 x 6'-2" 3 x 4'-11"	1 x 9'-1" 2 x 6'-2" 3 x 4'-11	1 x 12'_4" 2 x 8'_5" 3 x 7'_2"	1 v 12'.4" 2 v 8'.5" 3 v 7'.2"	1 x 13'.0" 2 x 9'.1" 3 x 7'.10"	1 x 13'-0" 2 x 0'-1" 3 x 7
2.75 (9)		-11" 1 x 7'-2" 2 x 4'-7" 3 x 3'-11				1 x 13'-4" 2 x 9'-1" 3 x 7'-2"		
3.05 (10)	1 x 7'-2" 2 x 4'-11" 3 x 3'		" 1 x 10'-5" 2 x 7'-2" 3 x 5'-6"			1 x 13'-12" 2 x 9'-5" 3 x 7'-6"		
3.66 (12)	1 x 7'-6" 2 x 5'-2" 3 x 4		1 x 10'-5" 2 x 7'-6" 3 x 6'-0"	1 x 12'-0" 2 x 8'-2" 3 x 6'-6"	1 x 13'-12" 2 x 9'-9" 3 x 7'-10"	1 x 13'-12" 2 x 9'-9" 3 x 7'-10"	1 x 15'-7" 2 x 10'-9" 3 x 9'-1"	1 x 15'-7" 2 x 10'-9" 3 x 9
4.27 (14)	1 x 8'-2" 2 x 5'-6" 3 x 4	-7" 1 x 8'-5" 2 x 5'-10" 3 x 4'-7	1 x 11'-5" 2 x 7'-10" 3 x 7'-0"	1 x 12'-0" 2 x 8'-2" 3 x 7'-0"	1 x 15'-7" 2 x 10'-9" 3 x 8'-5"	1 x 15'-7" 2 x 10'-9" 3 x 8'-5"	1 x 16'-11" 2 x 11'-8" 3 x 9'-9"	1 x 16'-11" 2 x 11'-8" 3 x 9
4.88 (16)	1 x 8'-2" 2 x 5'-6" 3 x 4	-7" 1 x 8'-9" 2 x 5'-10" 3 x 4'-11	" 1 x 11'-5" 2 x 8'-0"	1 x 12'-4" 2 x 8'-5" 3 x 8'-0"	1 x 15'-7" 2 x 10'-9" 3 x 8'-5"	1 x 16'-11" 2 x 11'-8" 3 x 9'-5"	1 x 18'-2" 2 x 13'-0" 3 x 10'-5"	1 x 18'-10" 2 x 13'-0" 3 x 1
n Floor Walls of Two Story IC	Structure Supporting Wood Frame Fl	oors and Roof (TYPE H)			•			
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear	walls provided						
2.44 (8)	1 x 7'-10" 2 x 5'-2" 3 x 4	'-3" 1 x 8'-2" 2 x 5'-6" 3 x 4'-3	1 x 11'-1" 2 x 7'-10" 3 x 5'-10"	1 x 11'-8" 2 x 7'-10" 3 x 6'-2"	1 x 13'-8" 2 x 9'-9" 3 x 7'-10"	1 x 14'-4" 2 x 9'-9" 3 x 7'-10"	1 x 14'-11" 2 x 10'-5" 3 x 9'-1"	1 x 15'-7" 2 x 11'-1" 3 x 9
2.75 (9)	1 x 8'-5" 2 x 5'-10" 3 x 4	-7" 1 x 8'-5" 2 x 5'-10" 3 x 4'-7	1 x 11'-8" 2 x 8'-5" 3 x 6'-6"	1 x 13'-0" 2 x 8'-5" 3 x 6'-6"	1 x 14'-4" 2 x 9'-9" 3 x 8'-5"	1 x 14'-11" 2 x 10'-5" 3 x 8'-5"	1 x 15'-7" 2 x 11'-1" 3 x 9'-1"	1 x 16'-3" 2 x 11'-8" 3 x 5
3.05 (10)	1 x 9'-1" 2 x 5'-10" 3 x 4	-7" 1 x 9'-1" 2 x 6'-6" 3 x 4'-11	" 1 x 12'-4" 2 x 8'-5" 3 x 7'-2"	1 x 13'-0" 2 x 9'-1" 3 x 7'-2"	1 x 14'-11" 2 x 10'-5" 3 x 8'-5"	1 x 15'-7" 2 x 11'-1" 3 x 9'-1"	1 x 16'-11" 2 x 11'-8" 3 x 9'-9"	1 x 17'-7" 2 x 12'-4" 3 x 9
3.66 (12)	1 x 9'-1" 2 x 6'-2" 3 x 4'	-11" 1 x 10'-5" 2 x 7'-2" 3 x 5'-6'	1 x 13'-0" 2 x 8'-5" 3 x 7'-2"	1 x 14'-11" 2 x 10'-5" 3 x 8'-2"	1 x 16'-3" 2 x 11'-8" 3 x 9'-1"	1 x 16'-11" 2 x 11'-8" 3 x 9'-9"	1 x 18'-2" 2 x 13'-0" 3 x 10'-5"	1 x 19'-6" 2 x 13'-0" 3 x 1
4.27 (14)	1 x 9'-9" 2 x 6'-6" 3 x 5	'-2" 1 x 10'-5" 2 x 7'-2" 3 x 5'-6	1 x 13'-8" 2 x 9'-9" 3 x 7'-10	1 x 14'-11" 2 x 10'-5" 3 x 8'-2"	1 x 18'-2" 2 x 12'-4" 3 x 10'-1"	1 x 18'-6" 2 x 13'-0" 3 x 10'-5"	1 x 20'-2" 2 x 13'-8" 3 x 11'-1"	1 x 20'-10" 2 x 14'-4" 3 x 1
4.88 (16)	1 x 9'-9" 2 x 6'-6" 3 x 5	'-2" 1 x 11'-1" 2 x 7'-2" 3 x 5'-10	" 1 x 13'-8" 2 x 9'-9" 3 x 8'-0"	1 x 14'-11" 2 x 10'-5" 3 x 8'-2"	1 x 18'-2" 2 x 12'-4" 3 x 10'-1"	1 x 20'-0" 2 x 14'-0" 3 x 11'-4"	1 x 22'-1" 2 x 14'-11" 3 x 12'-4"	1 x 22'-1" 2 x 15'-7" 3 x 1
Vertical ICF with 6" Tie Sp	ecing As p	er table A.2.1.	As per t	able A.2.1.	As per t	able A.2.1.	As per ta	able A.2.1.
nforcement ICF with 8" Tie Sp	ecing As p	er table A.2.2.	As per t	able A.2.2.	As per t	able A.2.2.	As per ta	able A.2.2.
Horizontal Block Height of 1		er table A.2.1.	As per t	able A.2.1.	As per t	able A.2.1.	As per ta	able A.2.1.
nforcement Block Height of 1	6" As n	er table A.2.2.	A	able A.2.2.	A	able A.2.2.	A	able A.2.2.

1.

2

S_{altCF} is equivalent spectral response acceleration for ICF walls as provided in Appendix A. This table is to be used in conjunction with the "Design Limitations." Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in 3. the rebar placement drawing.

All four sides of the building are to have a minimum number and length of shear walls that conforms to this table. 4.

5. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.

- All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required. 6.
- 7. Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.
- Horizontal reinforcement in shear walls where Salce > 0.16 must be anchored using a standard 180° hook around vertical end bars. 8. 9. When using this table for $S_{a,ICF} \leq 0.16$, use the vertical and horizontal distributed steel in Tables A.2.1. or A.2.2.





Table A. 11.800. – <u>Above Grade Walkout Basement</u> Shear Wall Length for Seismic Zone Classification, $S_{a,ICF} \le 0.31$ and Hourly Wind Pressure, q1/50 ≤ 1.05 kPa, where Building Area ≤ 800 ft²

Wall Height m (ft)				Seismic Zone	Classification			
	Saice	≤ 0.07	S _{a,ICF}	≤ 0.11	S _{a,ICF}	≤ 0.16	S _{a,ICF}	≤ 0.31
lkout Basement Wall of a Single Story	ICF Structure Supporting Wood F	ramed Roof (TYPE W1)						
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	Is provided						
2.44 (8)	1 x 5'-2" 2 x 3'-7" 3 x 2'-11"	1 x 5'-6" 2 x 3'-11" 3 x 2'-11"	1 x 6'-6" 2 x 4'-7" 3 x 3'-7"	1 x 6'-10" 2 x 4'-11" 3 x 3'-11"	1 x 8'-2" 2 x 5'-6" 3 x 4'-7"	1 x 8'-5" 2 x 5'-10" 3 x 4'-7"	1 x 11'-8" 2 x 7'-10" 3 x 6'-6"	1 x 12'-4" 2 x 8'-5" 3 x 6'-
2.75 (9)	1 x 5'-4" 2 x 3'-7" 3 x 2'-11"	1 x 5'-10" 2 x 3'-11" 3 x 3'-3"	1 x 6'-10" 2 x 4'-7" 3 x 3'-11"	1 x 7'-2" 2 x 4'-11" 3 x 3'-11"	1 x 8'-2" 2 x 5'-10" 3 x 4'-7"	1 x 8'-8" 2 x 5'-10" 3 x 4'-9"	1 x 11'-8" 2 x 8'-2" 3 x 6'-6"	1 x 12'-4" 2 x 8'-5" 3 x 6'-
3.05 (10)	1 x 5'-6" 2 x 3'-11" 3 x 2'-11"	1 x 5'-10" 2 x 4'-3" 3 x 3'-3"	1 x 6'-10" 2 x 4'-11" 3 x 3'-11"	1 x 7'-2" 2 x 4'-11" 3 x 3'-11"	1 x 8'-5" 2 x 5'-10" 3 x 4'-11"	1 x 9'-0" 2 x 6'-2" 3 x 4'-11"	1 x 12'-0" 2 x 8'-5" 3 x 6'-10"	1 x 12'-8" 2 x 8'-9" 3 x 7'-
3.66 (12)	1 x 6'-0" 2 x 4'-0" 3 x 3'-3"	1 x 6'-6" 2 x 4'-3" 3 x 3'-7"	1 x 7'-4" 2 x 5'-2" 3 x 4'-3"	1 x 7'-10" 2 x 5'-2" 3 x 4'-3"	1 x 8'-9" 2 x 6'-2" 3 x 5'-2"	1 x 9'-5" 2 x 6'-6" 3 x 5'-2"	1 x 12'-8" 2 x 8'-9" 3 x 7'-2"	1 x 13'-8" 2 x 9'-4" 3 x 7'
Ikout Basement Walls of a Two Story	Wood Framed Structure Supporti-	ng Wood Frame Floors and Roof	(TYPE W2)					
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	Is provided						
2.44 (8)	1 x 6'-8" 2 x 4'-6" 3 x 3'-8"	1 x 6'-8" 2 x 4'-6" 3 x 3'-8"	1 x 6'-10" 2 x 4'-11" 3 x 3'-11"	1 x 6'-10" 2 x 4'-11" 3 x 3'-11"	1 x 8'-5" 2 x 5'-10" 3 x 4'-7"	1 x 8'-5" 2 x 5'-10" 3 x 4'-7"	1 x 11'-8" 2 x 8'-2" 3 x 6'-6"	1 x 11'-8" 2 x 8'-2" 3 x 6'
2.75 (9)	1 x 7'-0" 2 x 4'-8" 3 x 3'-8"	1 x 7'-0" 2 x 4'-8" 3 x 3'-8"	1 x 7'-2" 2 x 5'-2" 3 x 3'-11"	1 x 7'-2" 2 x 5'-2" 3 x 3'-11"	1 x 8'-5" 2 x 6'-1" 3 x 4'-9"	1 x 8'-5" 2 x 6'-1" 3 x 4'-9"	1 x 12'-0" 2 x 8'-5" 3 x 6'-9"	1 x 12'-0" 2 x 8'-5" 3 x 6'
3.05 (10)	1 x 7'-0" 2 x 5'-0" 3 x 4'-0"	1 x 7'-0" 2 x 5'-0" 3 x 4'-0"	1 x 7'-2" 2 x 5'-2" 3 x 3'-11"	1 x 7'-2" 2 x 5'-2" 3 x 3'-11"	1 x 8'-9" 2 x 6'-1" 3 x 4'-9"	1 x 8'-9" 2 x 6'-1" 3 x 4'-9"	1 x 12'-4" 2 x 8'-8" 3 x 6'-10"	1 x 12'-4" 2 x 8'-8" 3 x 6'-
3.66 (12)	1 x 7'-4" 2 x 5'-0" 3 x 4'-0"	1 x 7'-4" 2 x 5'-0" 3 x 4'-0"	1 x 7'-6" 2 x 5'-2" 3 x 4'-3"	1 x 7'-6" 2 x 5'-2" 3 x 4'-3"	1 x 9'-1" 2 x 6'-2" 3 x 4'-12"	1 x 9'-1" 2 x 6'-2" 3 x 4'-12"	1 x 12'-8" 2 x 8'-9" 3 x 7'-2"	1 x 12'-8" 2 x 8'-9" 3 x 7'
Ikout Basement Wall of a Two Story E	uilding with Main Floor ICF Walls	Supporting 2nd Story Wood Fra	med Walls, Floor and Roof (TYP	E W3)				
	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
	Number and length of shear wal	Is provided						
2.44 (8)	1 x 6'-8" 2 x 4'-7" 3 x 3'-8"	1 x 6'-6" 2 x 4'-9" 3 x 3'-8"	1 x 8'-2" 2 x 5'-6" 3 x 4'-7"	1 x 8'-2" 2 x 5'-10" 3 x 4'-7"	1 x 9'-9" 2 x 6'-10" 3 x 5'-8"	1 x 10'-1" 2 x 6'-10" 3 x 5'-8"	1 x 13'-8" 2 x 9'-9" 3 x 7'-10"	1 x 14'-4" 2 x 9'-9" 3 x 7'-
2.75 (9)	1 x 7'-0" 2 x 4'-9" 3 x 3'-8"	1 x 6'-6" 2 x 4'-9" 3 x 3'-8"	1 x 8'-2" 2 x 5'-10" 3 x 4'-7"	1 x 8'-5" 2 x 5'-10" 3 x 4'-7"	1 x 10'-5" 2 x 6'-10" 3 x 5'-8"	1 x 10'-5" 2 x 7'-2" 3 x 5'-8"	1 x 13'-12" 2 x 9'-9" 3 x 8'-0"	1 x 14'-4" 2 x 10'-1" 3 x 8'
3.05 (10)	1 x 7'-0" 2 x 4'-9" 3 x 4'-0"	1 x 6'-10" 2 x 4'-9" 3 x 4'-0"	1 x 8'-5" 2 x 5'-10" 3 x 4'-9"	1 x 8'-5" 2 x 5'-10" 3 x 4'-9"	1 x 10'-5" 2 x 7'-2" 3 x 5'-8"	1 x 10'-5" 2 x 7'-2" 3 x 5'-10"	1 x 14'-4" 2 x 10'-1" 3 x 8'-0"	1 x 14'-8" 2 x 10'-1" 3 x 8'
3.66 (12)	1 x 7'-4" 2 x 5'-0" 3 x 4'-0"	1 x 7'-2" 2 x 4'-9" 3 x 4'-0"	1 x 8'-9" 2 x 6'-2" 3 x 4'-11"	1 x 8'-9" 2 x 6'-2" 3 x 4'-11"	1 x 10'-7" 2 x 7'-4" 3 x 5'-10"	1 x 10'-9" 2 x 7'-6" 3 x 6'-1"	1 x 14'-11" 2 x 10'-5" 3 x 8'-5"	1 x 15'-3" 2 x 10'-9" 3 x 8'
Ikout Basement Wall of Two Story ICF	Structure Supporting Wood Fram	e Floors and Roof (TYPE W4)						
lkout Basement Wall of Two Story ICF	Structure Supporting Wood Fram 6" & 8" Thick Wall	te Floors and Roof (TYPE W4) 10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
Ikout Basement Wall of Two Story ICF		10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall	6" & 8" Thick Wall	10" & 12" Thick Wall
Ikout Basement Wall of Two Story ICF	6" & 8" Thick Wall Number and length of shear wal	10" & 12" Thick Wall						
	6" & 8" Thick Wall Number and length of shear wal 1 x 7'-2" 2 x 4'-11" 3 x 4'-1"	10" & 12" Thick Wall Is provided	1 x 9'-1" 2 x 6'-6" 3 x 5'-2"	1 x 9'-8" 2 x 6'-6" 3 x 5'-2"	1 x 11'-4" 2 x 7'-10" 3 x 6'-2"	1 x 11'-8" 2 x 8'-2" 3 x 6'-6"	1 x 15'-7" 2 x 11'-1" 3 x 8'-9"	1 x 16'-3" 2 x 11'-8" 3 x 9'
2.44 (8)	6" & 8" Thick Wall Number and length of shear wall 1 x 7'-2" 2 x 4'-11" 3 x 4'-1" 1 x 7'-6" 2 x 5'-2" 3 x 4'-1"	10" & 12" Thick Wall Is provided 1 x 7'-10" 2 x 5'-2" 3 x 4'-1"	1 x 9'-1" 2 x 6'-6" 3 x 5'-2" 1 x 9'-9" 2 x 6'-6" 3 x 5'-2"	1 x 9'-8" 2 x 6'-6" 3 x 5'-2" 1 x 9'-9" 2 x 6'-10" 3 x 5'-6"	1 x 11'-4" 2 x 7'-10" 3 x 6'-2" 1 x 11'-8" 2 x 7'-10" 3 x 6'-6"	1 x 11'-8" 2 x 8'-2" 3 x 6'-6" 1 x 12'-0" 2 x 8'-4" 3 x 6'-8"	1 x 15'-7" 2 x 11'-1" 3 x 8'-9" 1 x 16'-3" 2 x 11'-1" 3 x 9'-1"	1 x 16'-3" 2 x 11'-8" 3 x 9' 1 x 16'-11" 2 x 11'-8" 3 x 9'
2.44 (8) 2.75 (9)	6" & 8" Thick Wall Number and length of shear wall 1 x 7'-2" 2 x 4'-11" 1 x 7'-6" 2 x 5'-2" 1 x 7'-6" 2 x 5'-2" 3 x 4'-1"	10" & 12" Thick Wall Is provided 1 x 7'-10" 2 x 5'-2" 3 x 4'-1" 1 x 7'-10" 2 x 5'-2" 3 x 4'-3"	1 x 9'-1" 2 x 6'-6" 3 x 5'-2" 1 x 9'-9" 2 x 6'-6" 3 x 5'-2" 1 x 9'-9" 2 x 6'-6" 3 x 5'-6"	1 x 9'-8" 2 x 6'-6" 3 x 5'-2" 1 x 9'-9" 2 x 6'-10" 3 x 5'-6" 1 x 10'-0" 2 x 6'-10" 3 x 5'-6"	1 x 11'-4" 2 x 7'-10" 3 x 6'-2" 1 x 11'-8" 2 x 7'-10" 3 x 6'-6" 1 x 11'-8" 2 x 8'-2" 3 x 6'-6"	1 x 11'-8" 2 x 8'-2" 3 x 6'-6" 1 x 12'-0" 2 x 8'-4" 3 x 6'-8" 1 x 12'-4" 2 x 8'-5" 3 x 6'-10"	1 x 15'-7" 2 x 11'-1" 3 x 8'-9" 1 x 16'-3" 2 x 11'-1" 3 x 9'-1" 1 x 16'-3" 2 x 11'-1" 3 x 9'-1"	1 x 16'-3" 2 x 11'-8" 3 x 9' 1 x 16'-11" 2 x 11'-8" 3 x 9' 1 x 16'-11" 2 x 11'-8" 3 x 9'
2.44 (8) 2.75 (9) 3.05 (10)	6" & 8" Thick Wall Number and length of shear wall 1 x 7'-2" 2 x 4'-11" 1 x 7'-6" 2 x 5'-2" 1 x 7'-6" 2 x 5'-2" 3 x 4'-1"	10" & 12" Thick Wall Is provided 1 x 7'-10" 2 x 5'-2" 1 x 7'-10" 2 x 5'-2" 1 x 7'-10" 2 x 5'-5" 1 x 7'-10" 2 x 5'-5" 1 x 7'-10" 2 x 5'-6" 1 x 7'-10" 2 x 5'-6" 1 x 8'-2" 2 x 5'-6"	1 x 9'-1" 2 x 6'-6" 3 x 5'-2" 1 x 9'-9" 2 x 6'-6" 3 x 5'-2" 1 x 9'-9" 2 x 6'-6" 3 x 5'-6"	1 x 9'-8" 2 x 6'-6" 3 x 5'-2" 1 x 9'-9" 2 x 6'-10" 3 x 5'-6" 1 x 10'-0" 2 x 6'-10" 3 x 5'-6" 1 x 10'-5" 2 x 7'-2" 3 x 5'-10"	1 x 11'-4" 2 x 7'-10" 3 x 6'-2" 1 x 11'-8" 2 x 7'-10" 3 x 6'-6" 1 x 11'-8" 2 x 8'-2" 3 x 6'-6"	1 x 11'-8" 2 x 8'-2" 3 x 6'-6" 1 x 12'-0" 2 x 8'-4" 3 x 6'-8" 1 x 12'-4" 2 x 8'-5" 3 x 6'-10"	1 x 15'-7" 2 x 11'-1" 3 x 8'-9" 1 x 16'-3" 2 x 11'-1" 3 x 9'-1" 1 x 16'-3" 2 x 11'-1" 3 x 9'-1"	1 x 16'-3" 2 x 11'-8" 3 x 9' 1 x 16'-11" 2 x 11'-8" 3 x 9' 1 x 16'-11" 2 x 11'-8" 3 x 9'
2.44 (8) 2.75 (9) 3.05 (10) 3.66 (12)	6" & 8" Thick Wall Number and length of shear wal 1 x 7'-2" 2 x 4'-11" 3 x 4'-1" 1 x 7'-6" 2 x 5'-2" 3 x 4'-1" 1 x 7'-6" 2 x 5'-2" 3 x 4'-1" 1 x 7'-10" 2 x 5'-5" 3 x 4'-4"	10" & 12" Thick Wall Is provided 1 x 7'-10" 2 x 5'-2" 3 x 4'-1" 1 x 7'-10" 2 x 5'-5" 3 x 4'-3" 1 x 7'-10" 2 x 5'-5" 3 x 4'-3" 1 x 7'-10" 2 x 5'-5" 3 x 4'-3" 1 x 7'-10" 2 x 5'-5" 3 x 4'-3" 3 x 4'-2" 3 x 4'-3" 3 x 4'-3"	1 x 9'-1" 2 x 6'-6" 3 x 5'-2" 1 x 9'-9" 2 x 6'-6" 3 x 5'-2" 1 x 9'-9" 2 x 6'-6" 3 x 5'-2" 1 x 10'-0" 2 x 6'-6" 3 x 5'-6"	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1 x 11'-4" 2 x 7'-10" 3 x 6'-2" 1 x 11'-8" 2 x 7'-10" 3 x 6'-6" 1 x 11'-8" 2 x 8'-2" 3 x 6'-6" 1 x 12'-0" 2 x 8'-5" 3 x 6'-10"	1 x 11'-8" 2 x 8'-2" 3 x 6'-6" 1 x 12'-0" 2 x 8'-4" 3 x 6'-6" 1 x 12'-4" 2 x 8'-5" 3 x 6'-10" 1 x 13'-0" 2 x 8'-9" 3 x 7'-2" 300 (12)	1 x 15'-7" 2 x 11'-1" 3 x 8'-9" 1 x 16'-3" 2 x 11'-1" 3 x 9'-1" 1 x 16'-3" 2 x 11'-1" 3 x 9'-1" 1 x 16'-3" 2 x 11'-8" 3 x 9'-1" 1 x 16'-11" 2 x 11'-8" 3 x 9'-5"	1 x 16'-3" 2 x 11'-8" 3 x 9' 1 x 16'-11" 2 x 11'-8" 3 x 9' 1 x 16'-11" 2 x 11'-8" 3 x 9' 1 x 16'-11" 2 x 11'-8" 3 x 9' 1 x 17'-7" 2 x 12'-4" 3 x 10'
2.44 (8) 2.75 (9) 3.05 (10) 3.66 (12) Vertical 6 °,8° and 10° thick wall	6" & 8" Thick Wall Number and length of shear wal 1 x 7'-2" 2 x 4'-11" 3 x 4'-1" 1 x 7'-6" 2 x 5'-2" 3 x 4'-1" 1 x 7'-6" 2 x 5'-2" 3 x 4'-1" 1 x 7'-10" 2 x 5'-2" 3 x 4'-1" 1 x 7'-10" 2 x 5'-5" 3 x 4'-4" 15 M@ 10 M @	10" & 12" Thick Wall Is provided 1 x 7'-10" 2 x 5'-2" 3 x 4'-1" 1 x 7'-10" 2 x 5'-2" 3 x 4'-3" 1 x 7'-10" 2 x 5'-5" 3 x 4'-3" 1 x 7'-10" 2 x 5'-6" 3 x 4'-3" 9 300 (12) 300 (12)	1 x 9'-1" 2 x 6'-6" 3 x 5'-2" 1 x 9'-9" 2 x 6'-6" 3 x 5'-2" 1 x 9'-9" 2 x 6'-6" 3 x 5'-6" 1 x 10'-0" 2 x 6'-10" 3 x 5'-6" 15 M @	$\begin{array}{ccccccc} 1 & x & 9^{\circ} - 8^{\circ \circ} & 2 & x & 6^{\circ} - 6^{\circ \circ} & 3 & x & 5^{\circ} - 2^{\circ} \\ 1 & x & 9^{\circ} - 9^{\circ} & 2 & x & 6^{\circ} - 10^{\circ \circ} & 3 & x & 5^{\circ} - 6^{\circ} \\ 1 & x & 10^{\circ} - 0^{\circ} & 2 & x & 7^{\circ} - 2^{\circ} & 3 & x & 5^{\circ} - 6^{\circ} \\ 1 & x & 10^{\circ} - 5^{\circ} & 2 & x & 7^{\circ} - 2^{\circ} & 3 & x & 5^{\circ} - 10^{\circ} \\ \hline & & 300 & (12) \end{array}$	1 x 11'-4" 2 x 7'-10" 3 x 6'-2" 1 x 11'-8" 2 x 7'-10" 3 x 6'-6" 1 x 11'-8" 2 x 8'-2" 3 x 6'-6" 1 x 12'-0" 2 x 8'-5" 3 x 6'-10" 15 M @	1 x 11'-8" 2 x 8'-2" 3 x 6'-6" 1 x 12'-0" 2 x 8'-4" 3 x 6'-6" 1 x 12'-4" 2 x 8'-5" 3 x 6'-10" 1 x 13'-0" 2 x 8'-9" 3 x 7'-2" 300 (12)	1 x 15'-7" 2 x 11'-1" 3 x 8'-9" 1 x 16'-3" 2 x 11'-1" 3 x 9'-1" 1 x 16'-3" 2 x 11'-8" 3 x 9'-1" 1 x 16'-11" 2 x 11'-8" 3 x 9'-5" 15 M @	1 x 16'-3" 2 x 11'-8" 3 x 9' 1 x 16'-11" 2 x 11'-8" 3 x 9' 1 x 16'-11" 2 x 11'-8" 3 x 9' 1 x 16'-11" 2 x 11'-8" 3 x 9' 1 x 17'-7" 2 x 12'-4" 3 x 10' 300 (12)

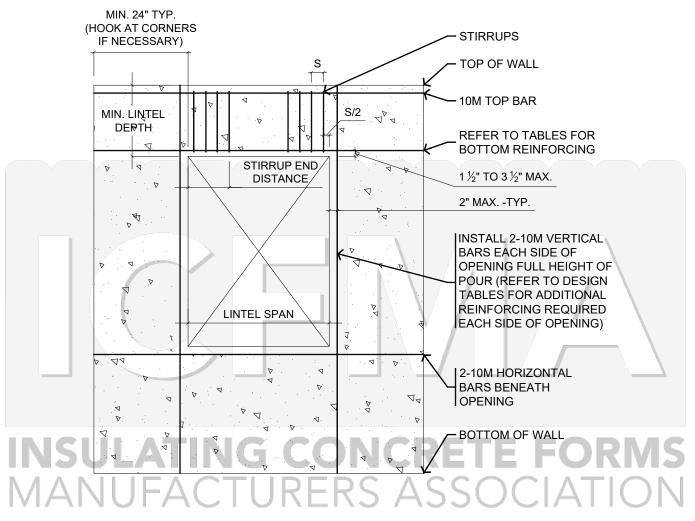
NOTES:

- 1. $S_{a,ICF}$ is equivalent spectral response acceleration for ICF walls as provided in Appendix A.
- 2. This table is to be used in conjunction with the "Design Limitations."
- Provide two layers of the indicated horizontal and vertical distributed steel specified for 300mm (12") walls. Place each layer as shown in the rebar placement drawing.
- 4. All four sides of the building are to have a minimum number and length of shear walls that conforms to this table.
- 5. Provide 2-15M concentrated reinforcement at each end of shear walls as shown in shear wall detail.
- 6. All concentrated reinforcement is to be continues to the bottom of the foundation wall. Provide lap splices as required.
- 7. Concentrated reinforcement is to be placed in accordance with Bar Placement Detail.
- Horizontal reinforcement in shear walls where S_{a,ICF} > 0.16 must be anchored using a standard 180° hook around vertical end bars.
 Walkout basement shear walls are to be reviewed and designed by a structural engineer where Sa,ICF > 0.31.



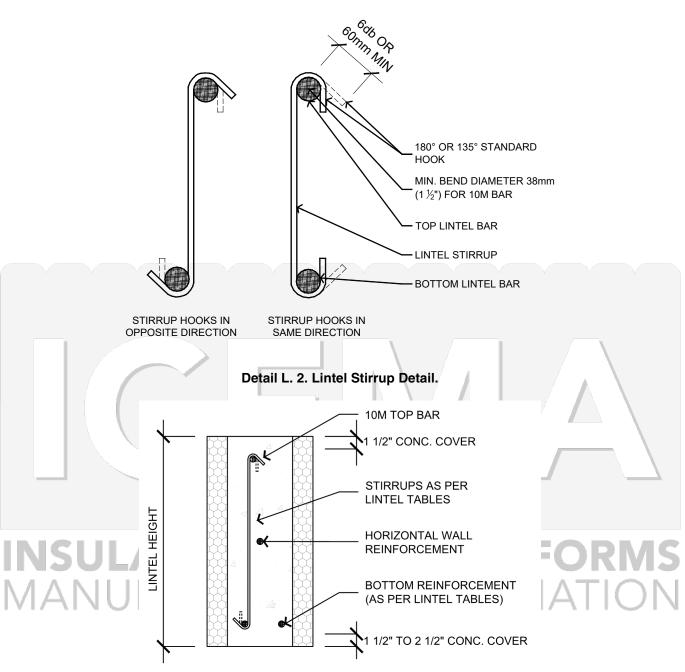


Lintel Details and Tables



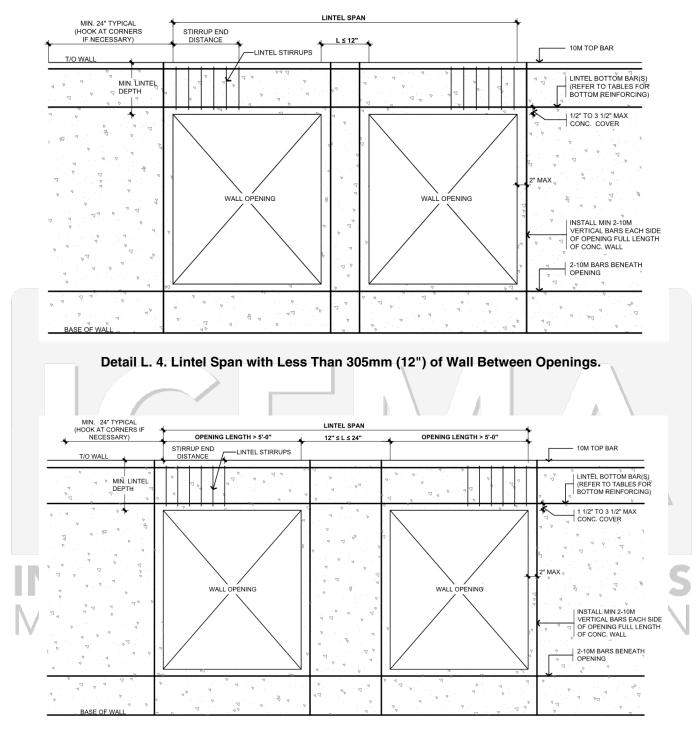
Detail L. 1. Reinforcing Around Openings.





Detail L. 3. Lintel Section





Detail L. 5. Lintel Span with Less Than 610mm (24") of Wall Between Openings, and Openings Are Greater Than 1.53m (5'-0") in Length.



			L	intel -	6'' Th	ick x	8'' Dee	эр (15	0mm '	Thick	x 200ı	nm De	ep), s	s = 3'' (75mm	i)		
								Unifo	rmly Dis	stributed	Load							
Lintel	7.5	kN/m	11	kN/m	14.5	kN/m	18	kN/m	21.5	kN/m	25.5	kN/m	29	kN/m	33	kN/m	36.5	5 kN/m
Span, mm (ft)		lb/ft		lb/ft	1000		1250	lb/ft	1500		1750	lb/ft	2000		2250		2500) lb/ft
mm (iii)	Bottom Reinf. Steel	Stirrup End Dist.																
900 (3)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	150 (6)	1-15M	150 (6)	1-15M	225 (9)	1-15M	225 (9)	1-15M	300 (12)
1200 (4)	1-10M	0	1-15M	0	1-15M	150 (6)	1-15M	225 (9)	1-20M	225 (9)	1-20M	300 (12)						
1500 (5)	1-15M	0	1-15M	150 (6)	1-20M	225 (9)												
1800 (6)	1-15M	0	1-20M	225 (9)														
2400 (8)																		
3000 (10)																		
3600 (12)																		
4200 (14)																		
4800 (16)																		
5400 (18)																		
6000 (20)																		

Table L. 1. 6" Lintel Reinforcement with Uniformly Distributed Load

NOTES:

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Stirrup spacing (s) and end distance are given in "mm" and "inch"
 Bottom reinforcement located 89mm (3.5") from bottom of lintel.

1

5. Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where $S_{a,ICF} > 0.16$.

Do not install more than 1-20M bottom bar or equivalent combination of smaller bars.
 This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

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		/		Li	ntel - 6	6'' Thi	ck x 1:	2" Dee	эр (15	0mm '	Thick	x 300	mm De	ep), s	= 6'' (150m	m)			
	1.5.4.1	l l							Unifo	rmly Dis	stributed	Load	1			/				
	Lintel Span,		kN/m																	
	mm (ft)		lb/ft		lb/ft	1000		1250		1500		1750		2000		2250		2500		
	(it)	Bottom Reinf.	Stirrup End																	
		Steel	Dist.																	
	900 (3)	1-10M	0	1-10M	300 (12)	1-15M	300 (12)	1-15M	300 (12)											
	1200 (4)	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	300 (12)	1-15M	450 (18)	1						
	1500 (5)	1-10M	0	1-15M	0	1-15M	0	1-15M	300 (12)	1-15M	300 (12)	1-15M	450 (18)	1-20M	450 (18)	1-20M	450 (18)		600 (24)	
	1800 (6)	1-15M	0	1-15M	0	1-15M	300 (12)	1-15M	1 ` '		450 (18)		600 (24)	2-15M	600 (24)	2-15M	600 (24)	1-15M+ 1-20M	750 (30)	
	2400 (8)	1-15M	0	1-20M	300 (12)	2-15M	600 (24)	2-15M	600 (24)	1-15M+ 1-20M	750 (30)									C
	3000 (10)		300 (12)		600 (24)		5		<u>L</u>	2Γ	\overline{D}		$\leq =$				\bigcirc	K	\mathbf{M}	J
	3600 (12)	1-15M+ 1-20M	600 (24)																	ΝĪ
V	4200 (14)	IN	\cup	\Box	HI					\mathbf{K}_{i}	D /	Α.	DJ	し	八	//	H I		\square	N
	4800 (16)																			
	5400 (18)																			
	6000 (20)																			

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NOTES:

1. Stirrup spacing (s) and end distance are given in "mm" and "inch" 3. Bottom reinforcement located 89mm (3.5") from bottom of lintel.

2. Do not install more than 1-15M + 1-20M bottom bar or equivalent combination of smaller bars. 4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where S_{a,ICF} > 0.16.





			Li	ntel - 6	5" Thi	ck x 1	6" Dee	эр (15	0mm '	Thick	x 400ı	mm De	ep), s	s = 8'' (200m	m)		·
								Unifo	rmly Dis	stributed	Load							
Lintel		kN/m	36.5	kN/m		kN/m												
Span, mm (ft)		lb/ft		lb/ft	1000		1250		1500		1750	lb/ft	2000	lb/ft	2500		3000	
(k)	Bottom Reinf. Steel	Stirrup End Dist.																
900 (3)	1-10M	0	1-10M	400 (16)														
1200 (4)	1-10M	0	1-15M	400 (16)	1-15M	400 (16)	1-15M	400 (16)										
1500 (5)	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	400 (16)	1-15M	400 (16)	1-15M	400 (16)	1-15M	600 (24)	1-15M	600 (24)
1800 (6)	1-10M	0	1-15M	0	1-15M	0	1-15M	400 (16)	1-15M	400 (16)	1-15M	400 (16)	1-15M	600 (24)		600 (24)	2-20M	800 (32)
2400 (8)	1-15M	0	1-15M	0	1-15M	400 (16)	1-20M	600 (24)		600 (24)	2-15M	800 (32)			1-15M+ 1-20M	1000 (40)		
3000 (10)	1-15M	0	1-20M	400 (16)		600 (24)		800 (32)	1-20M	1000 (40)	2-20M	1000 (40)	1-10M+ 2-20M	1200 (48)				
3600 (12)	1-20M	400 (16)	2-15M	800 (32)	1-20M	1000 (40)	1-10M+ 2-20M	1200 (48)	1-15M+ 2-20M	1200 (48)								
4200 (14)	2-15M	600 (24)		1000 (40)	1-15M+ 2-20M	1200 (48)												
4800 (16)		800 (32)	1-15M+ 2-20M	1400 (56)														
5400 (18)	1-15M+ 2-20M	1200 (48)																
6000 (20)																		

NOTES:

1. Stirrup spacing (s) and end distance are given in "mm" and "inch"

3. Bottom reinforcement located 89mm (3.5") from bottom of lintel.

 Do not install more than 1-15M + 2-20M bottom bar or equivalent combination of smaller bars.
 This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing". 5. Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where Sa (0.2) > 0.16.

_	_						-													
				Lir	ntel - 6	" Thic	:k x 24	" Dee	p (15	0mm 1	Thick 3	x 600r	nm De	ep), s	= 12''	(300n	nm)			
			1		~ 4				Unifo	rmly Dis	stributed	Load	/				1			
Linte		7.5	kN/m	11	kN/m	14.5	kN/m	18	kN/m	21.5	5 kN/m	29	kN/m	36.5	kN/m	43.5	5 kN/m	51	kN/m	j
Spar		500	lb/ft	750	lb/ft	1000	lb/ft	1250	lb/ft	1500) Ib/ft	2000	lb/ft	2500	lb/ft	3000) lb/ft	3500	lb/ft	
mm (t	IL)	Bottom	Stirrup	Bottom	Stirrup	Bottom	Stirrup	Bottom	Stirrup	Bottom	Stirrup	Bottom	Stirrup	Bottom	Stirrup	Bottom		Bottom	Stirrup	
		Reinf.	End	Reinf.	End	Reinf.	End	Reinf.	End	Reinf.	End	Reinf.	End	Reinf.	End	Reinf.	End	Reinf.	End	
-	_	Steel	Dist.	Steel	Dist.	Steel	Dist.	Steel	Dist.	Steel	Dist.	Steel	Dist.	Steel	Dist.	Steel	Dist.	Steel	Dist.	Ł
900 ((3)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	
1200	(4)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	600 (24)	1-15M	600 (24)	
1500	(5)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	600 (24)	1-15M	600 (24)	1-15M	600 (24)	
1800	(6)	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	600 (24)	1-15M	600 (24)	1-15M	600 (24)	1-15M	600 (24)	
2400	(8)	1-10M	0	1-15M	0	1-15M	0	1-15M	600 (24)	1-15M	600 (24)	1-20M	600 (24)	1-20M	900 (36)	2-15M	900 (36)	2-15M	900 (36)	
3000 ((10)	1-15M	0	1-15M	0	1-15M	600 (24)	1-20M	600 (24)	1-20M	900 (36)	2-15M	900 (36)	1-15M+ 1-20M	1200 (48)	2-20M	1200 (48)			
3600 ((12)	1-15M	0	1-20M	600 (24)	1-20M	600 (24)	2-15M	900 (36)	2-15M	1200 (48)	2-20M	1200 (48)	1-10M+ 2-20M	1500 (60)					
4200 ((14)	1-20M	0	1-20M	600 (24)	2-15M	900 (36)	1-15M+ 1-20M	1200 (48)	2-20M	1500 (60)	1-15M+ 2-20M	1500 (60)				\mathbf{r}			
4800 ((16)	1-20M	600 (24)	2-15M	900 (36)	1-15M+ 1-20M	1200 (48)	1-10M+ 2-20M	1500 (60)	1-15M+ 2-20M	1800 (72)	1-15M+ 3-20M	1800 (72)							\mathbf{h}
5400 ((18)	2-15M	600 (24)	2-20M	1200 (48)	1-10M+ 2-20M	1500 (60)	3-20M	1800 (72)	1-15M+ 3-20M	2100 (84)					/1/				
6000 ((20)	1-15M+ 1-20M	900 (36)	1-10M+ 2-20M	1500 (60)	3-20M	1800 (72)	1-15M+ 3-20M	2100 (84)											

NOTES:

1. Stirrup spacing (s) and end distance are given in "mm" and "inch"

2. Do not install more than 4-20M bottom bar or equivalent combination of smaller bars.

3. Bottom reinforcement located 89mm (3.5") from bottom of lintel.

4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

5. Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where $S_{a,ICF} > 0.16$.





			Lir	ntel - 6	" Thic	k x 32	" Dee	p (15	0mm 1	hick 3	x 800n	nm De	ep), s	= 16''	(400m	im)		· · · · · ·
								Unifo	rmly Dis	stributed	Load							
Lintel	7.5	kN/m	11	kN/m	14.5	kN/m	18	kN/m	21.5	kN/m	29	kN/m	36.5	kN/m	43.5	kN/m	51	kN/m
Span,	500	lb/ft	750	lb/ft	1000	lb/ft	1250	lb/ft	1500	lb/ft	2000	lb/ft	2500	lb/ft	3000	lb/ft	3500	lb/ft
mm (ft)	Bottom	Stirrup	Bottom	Stirrup	Bottom	Stirrup	Bottom	Stirrup	Bottom	Stirrup	Bottom	Stirrup	Bottom	Stirrup	Bottom	Stirrup	Bottom	Stirrup
	Reinf.	End	Reinf.	End	Reinf.	End	Reinf.	End	Reinf.	End	Reinf.	End	Reinf.	End	Reinf.	End	Reinf.	End
	Steel	Dist.	Steel	Dist.	Steel	Dist.	Steel	Dist.	Steel	Dist.	Steel	Dist.	Steel	Dist.	Steel	Dist.	Steel	Dist.
900 (3)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0
1200 (4)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	400 (16)
1500 (5)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	400 (16)	1-15M	400 (16)
1800 (6)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	800 (32)	1-15M	800 (32)	1-15M	800 (32)
2400 (8)	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-20M	800 (32)	1-20M	800 (32)	1-20M	800 (32)	1-20M	1200 (48)
3000 (10)	1-15M	0	1-15M	0	1-15M	0	1-20M	800 (32)	1-20M	800 (32)	1-20M	800 (32)	2-15M	1200 (48)	2-15M	1200 (48)	1-15M+ 1-20M	1200 (48)
3600 (12)	1-15M	0	1-20M	0	1-20M	800 (32)	1-20M	800 (32)	1-20M	800 (32)	2-15M	1200 (48)	1-15M+ 1-20M	1600 (64)				
4200 (14)	1-20M	0	1-20M	0	1-20M	800 (32)	2-15M	1200 (48)	2-15M	1200 (48)	1-15M+ 1-20M	1600 (64)						
4800 (16)	1-20M	0	1-20M	800 (32)	2-15M	1200 (48)	1-15M+ 1-20M	1200 (48)	1-15M+ 1-20M	1600 (64)	1-10M+ 2-20M	2000 (80)						
5400 (18)	1-20M	0	2-15M	800 (32)	1-15M+ 1-20M	1200 (48)	2-20M	1600 (64)	1-10M+ 2-20M	2000 (80)	\sim							
6000 (20)	2-15M	800 (32)	1-15M+ 1-20M	1200 (48)	2-20M	1600 (64)	1-10M+ 2-20M	2000 (80)	3-20M	2000 (80)								

NOTES:

- 1. Stirrup spacing (s) and end distance are given in "mm" and "inch"
- 3. Bottom reinforcement located 89mm (3.5") from bottom of lintel.

2. Do not install more than 4-20M bottom bar or equivalent combination of smaller bars. 4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing". 5. Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where Sa, ICF > 0.16.

INSULATING CONCRET 5 'E F(MANUFACTURERS ASS





The ICFMA Prescriptive ICF Design for Part 9 Structures in Canada Second Edition

			L	intel	8'' Th	ick x	8'' Dee	эр (20	0mm [·]	Thick	x 200ı	mm De	ep), s	= 3'' (75mm	i)		
								Unifo	rmly Dis	tributed	Load							
Lintel Span,	7.5	kN/m		kN/m	14.5	kN/m	18	kN/m	21.5	kN/m	25.5	kN/m	29	kN/m	33	kN/m	36.5	kN/m
mm (ft)		lb/ft		lb/ft	1000		1250		1500		1750		2000		2250		2500	· ·
min (iii)	Bottom Reinf. Steel	Stirrup End Dist.																
900 (3)	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	150 (6)	1-15M	150 (6)	1-15M	225 (9)	1-15M	225 (9)
1200 (4)	1-15M	0	1-15M	0	1-15M	0	1-15M	150 (6)	1-15M	150 (6)	1-20M	225 (9)	1-20M	300 (12)				
1500 (5)	1-15M	0	1-15M	0	1-20M	150 (6)	1-20M	225 (9)										
1800 (6)	1-15M	0	1-20M	150 (6)														
2400 (8)																		
3000 (10)																		
3600 (12)																		
4200 (14)																		
4800 (16)																		
5400 (18)																		
6000 (20)																		

Table L. 2. 8" Lintel Reinforcement with Uniformly Distributed Load

NOTES:

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Stirrup spacing (s) and end distance are given in "mm" and "inch"
 Bottom reinforcement located 89mm (3.5") from bottom of lintel.

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5. Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where $S_{a,ICF} > 0.16$.

Do not install more than 1-20M bottom bar or equivalent combination of smaller bars.
 This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

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				Li	ntel - 8	3'' Thi	ck x 12	2" Dee	эр (20	0mm '	Thick	x 300ı	mm De	ep), s	; = 6'' (150m	m)			
									Unifo	rmly Dis	tributed	Load	1 .							
	Lintel Span,		kN/m		kN/m	-	kN/m	-	kN/m	-	kN/m		kN/m		kN/m		kN/m		kN/m	
	mm (ft)		lb/ft		lb/ft	1000		1250		1500		1750		2000		2250		2500		
	()	Bottom Reinf.	Stirrup End																	
		Steel	Dist.																	
	900 (3)	1-10M	0	1-15M	0	1-15M	300 (12)													
	1200 (4)	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	300 (12)							
	1500 (5)	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	300 (12)	1-15M	300 (12)	1-15M	300 (12)	1-20M	450 (18)	1-20M	450 (18)	
	1800 (6)	1-15M	0	1-15M	0	1-15M	0	1-15M	300 (12)	1-20M	300 (12)	1-20M	450 (18)	2-15M	600 (24)	2-15M	600 (24)	2-15M	600 (24)	
	2400 (8)	1-15M	0	1-20M	0	1-20M	450 (18)	2-15M	600 (24)	1-15M+ 1-20M	600 (24)	2-20M	750 (30)							C
	3000 (10)	1-20M	0	2-15M	450 (18)	2-20M	750 (30)		<u>L</u>		ΣC	ЪŇ	KΞ				\bigcirc	K		2
	3600 (12)	1-15M+ 1-20M	300 (12)																	
V	4200 (14)	\mathbf{N}	$ \cup$	\Box	EV	1				Κ.	D	\mathbf{A}	DC	し		//	-		\mathcal{I}	N
	4800 (16)																			
	5400 (18)																			
	6000 (20)																			

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NOTES:

1. Stirrup spacing (s) and end distance are given in "mm" and "inch"

2. Do not install more than 2-20M bottom bar or equivalent combination of smaller bars. 4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

3. Bottom reinforcement located 89mm (3.5") from bottom of lintel. Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where S_{a,ICF} > 0.16.





			Li	ntel - 8	3" Thi	ck x 1	6" Dee	эр (20	0mm '	Thick	x 400	mm De	ep), s	s = 8'' (200m	m)		·
								Unifo	rmly Dis	stributed	Load							
Lintel	7.5	kN/m	11	kN/m	14.5	kN/m	18	kN/m	21.5	kN/m	25.5	kN/m	29	kN/m	36.5	kN/m	43.5	kN/m
Span, mm (ft)		lb/ft		lb/ft	1000		1250		1500		1750	lb/ft	2000		2500		3000	
111111 (IC)	Bottom Reinf.	Stirrup End																
	Steel	Dist.																
900 (3)	1-10M	0																
1200 (4)	1-10M	0	1-15M	0	1-15M	400 (16)	1-15M	400 (16)										
1500 (5)	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	400 (16)						
1800 (6)	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	400 (16)	1-15M	400 (16)	1-15M	400 (16)	1-20M	600 (24)	1-20M	600 (24)
2400 (8)	1-15M	0	1-15M	0	1-15M	0	1-20M	400 (16)	1-20M	600 (24)	2-15M	600 (24)	2-15M	800 (32)	1-15M+ 1-20M	800 (32)	2-20M	1000 (40)
3000 (10)	1-15M	0	1-20M	0	2-15M	400 (16)	2-15M	800 (32)	1-15M+ 1-20M	800 (32)	2-20M	1000 (40)	1-10M+ 2-20M	1000 (40)				
3600 (12)	1-20M	0	2-15M	600 (24)	1-15M+ 1-20M	800 (32)	2-20M	1000 (40)	1-10M+ 2-20M	1200 (48)	3-20M	1200 (48)						
4200 (14)	2-15M	400 (16)	2-20M	800 (32)	1-10M+ 2-20M	1200 (48)	3-20M	1400 (56)										
4800 (16)	2-20M	600 (24)	1-15M+ 2-20M	1200 (48)														
5400 (18)	1-10M+ 2-20M	1000 (40)																
6000 (20)	3-20M	1200 (48)																

NOTES:

1. Stirrup spacing (s) and end distance are given in "mm" and "inch"

3. Bottom reinforcement located 89mm (3.5") from bottom of lintel.

2. Do not install more than 3-20M bottom bar or equivalent combination of smaller bars. 4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing". 5. Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where $S_{a,ICF} > 0.16$.

-								_						_				
			Lir	ntel - 8	" Thic	:k x 24	" Dee	p (200	0mm 1	Thick 3	k 600n	nm De	ep), s	= 12"	<u>(300m</u>	ım)		
								Unifo	rmly Dis	stributed	Load	/						
Lintel	7.5	i kN/m	11	kN/m	14.5	kN/m	18	kN/m	21.5	kN/m	29	kN/m	36.5	kN/m	43.5	kN/m	51	kN/m
Span, mm (ft)	500) lb/ft	750	lb/ft	1000	lb/ft	1250	lb/ft	1500	lb/ft	2000	lb/ft	2500	lb/ft	3000	lb/ft	3500	lb/ft
mm (it)	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.
900 (3)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0
1200 (4)	1-10M	0	1-10M_	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	600 (24)
1500 (5)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	600 (24)	1-15M	600 (24)
1800 (6)	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	600 (24)	1-20M	600 (24)	1-20M	600 (24)
2400 (8)	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-20M	600 (24)	1-20M	600 (24)	1-20M	900 (36)	2-15M	900 (36)	2-15M	900 (36)
3000 (10) 1-15M	0	1-20M	0	1-20M	0	1-20M	600 (24)	1-20M	600 (24)	2-15M	900 (36)	1-15M+ 1-20M	1200 (48)	1-15M+ 1-20M	1200 (48)	2-20M	1200 (48)
3600 (12) 1-20M	0	1-20M	0	1-20M	600 (24)		600 (24)		900 (36)	1-2010	1200 (48)	1-10M+ 2-20M	1500 (60)				
4200 (14) 1-20M	0	2-15M	600 (24)	2-15M	900 (36)	1-15M+ 1-20M	900 (36)		1200 (48)	1-15M+ 2-20M	1500 (60)	1-10M+ 3-20M	1800 (72)		\sum		
4800 (16) 2-15M	0	2-15M	600 (24)		1200 (48)	1-10M+ 2-20M	1200 (48)	1-15M+ 2-20M	1500 (60)	1-10M+ 3-20M	1800 (72)						
5400 (18	,	600 (24)		900 (36)	1-10M+ 2-20M	1500 (60)	1-15M+ 2-20M	1500 (60)	1-10M+ 3-20M	1800 (72)					- 17			
6000 (20) 1-15M+ 1-20M	600 (24)	1-10M+ 2-20M	1200 (48)	3-20M	1800 (72)	1-15M+ 3-20M	1800 (72)										

NOTES:

1. Stirrup spacing (s) and end distance are given in "mm" and "inch"

3. Bottom reinforcement located 89mm (3.5") from bottom of lintel.

2. Do not install more than 4-20M bottom bar or equivalent combination of smaller bars. 4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

5. Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where $S_{a,ICF} > 0.16$.





			Lir	ntel - 8	'' Thic	k x 32	" Dee	p (20	0mm 1	hick >	c 800n	nm De	ep), s	= 16''	(400m	nm)		
								Unifo	rmly Dis	stributed	Load							
Lintel	7.5	kN/m	11	kN/m	14.5	kN/m	18	kN/m	21.5	kN/m	29	kN/m	36.5	kN/m	43.5	kN/m	51	kN/m
Span, mm (ft)	500	lb/ft	750	lb/ft	1000	lb/ft	1250	lb/ft	1500	lb/ft	2000	lb/ft	2500	lb/ft	3000	lb/ft	3500	lb/ft
min (iii)	Bottom Reinf. Steel	Stirrup End Dist.																
900 (3)	1-10M	0																
1200 (4)	1-10M	0																
1500 (5)	1-10M	0	1-15M	0	1-15M	400 (16)												
1800 (6)	1-10M	0	1-15M	0	1-15M	0	1-15M	800 (32)	1-15M	800 (32)								
2400 (8)	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-20M	800 (32)	1-20M	800 (32)	2-15M	800 (32)	2-15M	800 (32)
3000 (10)	1-15M	0	1-15M	0	1-15M	0	1-20M	0	1-20M	800 (32)	2-15M	800 (32)		800 (32)	2-15M	1200 (48)	2-15M	1200 (48)
3600 (12)	1-15M	0	1-20M	0	1-20M	0	2-15M	800 (32)	2-15M	800 (32)	2-15M	1200 (48)	1-15M+ 1-20M	1200 (48)	2-20M	1600 (64)		
4200 (14)	1-20M	0	2-15M	0	2-15M	800 (32)		800 (32)	2-15M	1200 (48)	1-15M+ 1-20M	1200 (48)	1-10M+ 2-20M	1600 (64)				
4800 (16)	2-15M	0	2-15M	0		800 (32)	1-15M+ 1-20M	1200 (48)	2-20M	1200 (48)	1-10M+ 2-20M	1600 (64)						
5400 (18)	2-15M	0		800 (32)	1-15M+ 1-20M	1200 (48)	2-20M	1600 (64)	1-10M+ 2-20M	1600 (64)	3-20M	2000 (80)						
6000 (20)	2-15M	0	1-15M+ 1-20M	800 (32)	2-20M	1600 (64)	1-10M+ 2-20M	1600 (64)	3-20M	2000 (80)								

NOTES:

- Stirrup spacing (s) and end distance are given in "mm" and "inch"
 Bottom reinforcement located 89mm (3.5") from bottom of lintel.

 Do not install more than 4-20M bottom bar or equivalent combination of smaller bars.
 This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing". 5. Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where Sa, ICF > 0.16.







The ICFMA Prescriptive ICF Design for Part 9 Structures in Canada Second Edition

			L	intel -	10'' T	hick x	8" De	ер (2	50mm	Thick	x 200	mm D	eep), s	s = 3''	(75mn	n)		
								Unifo	rmly Dis	tributed	Load							
Lintel Span,		kN/m		kN/m		kN/m	18	kN/m	21.5	kN/m	25.5	kN/m	29	kN/m	33	kN/m	36.5	kN/m
mm (ft)		lb/ft	750		1000		1250		1500		1750		2000		2250		2500	
iiiii (ii)	Bottom Reinf. Steel	Stirrup End Dist.																
900 (3)	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	0	2-15M	150 (6)	2-15M	150 (6)
1200 (4)	1-15M	0	1-20M	150 (6)	2-15M	225 (9)												
1500 (5)	1-15M	0	1-15M	0	1-20M	0	1-20M	150 (6)	2-15M	225 (9)								
1800 (6)	1-15M	0	1-20M	0	2-15M	150 (6)												
2400 (8)	2-15M	0																
3000 (10)																		
3600 (12)																		
4200 (14)																		
4800 (16)																		
5400 (18)																		
6000 (20)																		

Table L. 3. 10" Lintel Reinforcement with Uniformly Distributed Load

NOTES:

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Stirrup spacing (s) and end distance are given in "mm" and "inch"
 Bottom reinforcement located 89mm (3.5") from bottom of lintel.

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5. Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where $S_{a,ICF} > 0.16$.

Do not install more than 2-15M bottom bar or equivalent combination of smaller bars.
 This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

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			1		Li	ntel - 1	0'' Th	ick x 1	2" De	ep (2	50mm	Thick	x 300	mm D	eep), :	s = 6''	(150m	nm) 🔺			
			(Unifo	rmly Dis	stributed	Load	1			1		1		
	Lintel Span			kN/m	-	kN/m		kN/m		kN/m											
	mm (fl			lb/ft		lb/ft	1000		1250		1500	· ·	1750		2000		2250		2500		
		· /	Bottom Reinf.	Stirrup End																	
			Steel	Dist.																	
	900 (3	3)	1-10M	0	1-15M	0	1-15M	0													
	1200 (4)	1-10M	0	1-10M	0	1-10M	0	1-15M	300 (12)	1-15M	300 (12)	A								
	1500 (5)	1-10M	0	1-15M	300 (12)	1-15M	300 (12)	1-20M	300 (12)	1-20M	300 (12)									
	1800 (6)	1-15M	0	1-15M	0	1-15M	0	1-15M	0	1-20M	300 (12)	1-20M	300 (12)	2-15M			450 (18)		450 (18)	
	2400 (8)	1-15M	0	1-20M	0	1-20M	0		300 (12)	1-20M	450 (18)	2-20M	600 (24)	2-20M	750 (30)	1-10M+ 2-20M	750 (30)			e
	3000 (*	10)	1-20M	0	2-15M	0	1-15M+ 1-20M	450 (18)	1-10M+ 2-20M	600 (24)		УĽ	<u> </u>	KΞ				\bigcirc	K		2
	3600 (*	12)	1-15M+ 1-20M	0	2-20M	450 (18)															
V	4200 (*	14)	1-10M+ 2-20M	300 (12)		A (_		١K		Κ.	D	\mathbf{A}	DC	し		//	ΗI		\mathcal{I}	
	4800 (*	16)																			
	5400 (*	18)																			
	6000 (2	20)																			

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NOTES:

1. Stirrup spacing (s) and end distance are given in "mm" and "inch"

2. Do not install more than 1-10M + 2-20M bottom bar or equivalent combination of smaller bars. 3. Bottom reinforcement located 89mm (3.5") from bottom of lintel. 4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

5. Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where $S_{a,ICF} > 0.16$.





			Lir	ntel - 1	0'' Th	ick x 1	6" De	ep (2	50mm	Thick	x 400	mm D	eep), :	s = 8''	(200m	im)		<u> </u>
Lintel		Uniformly Distributed Load																
	7.5 kN/m		11 kN/m 14.			.5 kN/m 18		kN/m	21.5 kN/m		25.5 kN/m		29 kN/m		36.5 kN/m		43.5	kN/m
Span, mm (ft)	500 lb/ft		750 lb/ft		1000 lb/ft		1250 lb/ft		1500 lb/ft		1750 lb/ft		2000 lb/ft		2500 lb/ft		3000	
111111 (IL)	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.
900 (3)	1-10M	0	1-10M	Dist.	1-10M	0												
300 (3)	1-10101	Ŭ	1-101	Ŭ	1-101	Ŭ	1-10101	Ŭ	1-10101	Ŭ	1-10101	Ŭ	1-10101	0	1-1010	Ŭ	1-10101	Ŭ
1200 (4)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	400 (16)
1500 (5)	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	0	1-20M	400 (16)	1-20M	400 (16)
1800 (6)	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-20M	0	1-20M	0	1-20M	400 (16)	1-20M	400 (16)	1-20M	600 (24)
2400 (8)	1-15M	0	1-20M	0	1-20M	0	1-20M	0	1-20M	400 (16)	2-15M	400 (16)	2-15M	600 (24)	1-15M+ 1-20M	800 (32)	2-20M	800 (32)
3000 (10)	1-20M	0	1-20M	0	2-15M	400 (16)	2-15M	400 (16)	1-15M+ 1-20M	600 (24)	2-20M	800 (32)	1-10M+ 2-20M	800 (32)	1-15M+ 2-20M	1000 (40)	1-10M+ 3-20M	1200 (48)
3600 (12)	1-20M	0	2-15M	0	1-15M+ 1-20M	600 (24)	2-20M	800 (32)	1-10M+ 2-20M	1000 (40)	3-20M	1000 (40)	1-10M+ 3-20M	1200 (48)				
4200 (14)	2-15M	0	2-20M	400 (16)	1-10M+ 2-20M	800 (32)	3-20M	1000 (40)	1-10M+ 3-20M	1200 (48)								
4800 (16)	2-20M	0	1-10M+ 2-20M	800 (32)	1-10M+ 3-20M	1200 (48)												
5400 (18)	1-10M+ 2-20M	400 (16)	1-10M+ 3-20M	1000 (40)														
6000 (20)	3-20M	800 (32)																

NOTES:

1. Stirrup spacing (s) and end distance are given in "mm" and "inch"

3. Bottom reinforcement located 89mm (3.5") from bottom of lintel.

2. Do not install more than 1-10M + 3-20M bottom bar or equivalent combination of smaller bars. 4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing". 5. Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where $S_{a,ICF} > 0.16$.

_											_							_		
				Lin	tel - 10)" Thi	ck x 24	4'' Dee	эр (25	0mm '	Thick	x 600	mm De	ep), s	= 12''	(300n	nm)			
Lintel Span, mm (ft)								Unifo	rmly Dis	tributed	Load	/	• •		•	1			İ.	
	7.5 kN/m		11 kN/m		14.5	14.5 kN/m		18 kN/m		21.5 kN/m		29 kN/m		36.5 kN/m		43.5 kN/m		kN/m	İ.	
	500	lb/ft	750	lb/ft	1000	lb/ft	1250 lb/ft		1500 lb/ft		2000 lb/ft		2500 lb/ft		3000 lb/ft		3500 lb/ft		ĺ	
	n (il)	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	
900	0 (3)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	İ
120	0 (4)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	0	
150	0 (5)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	600 (24)	
180	0 (6)	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	0	1-20M	600 (24)	1-20M	600 (24)	
240	0 (8)	1-15M	0	1-15M	0	1-15M	0	1-15M	0	1-20M	0	1-20M	600 (24)		600 (24)		600 (24)	2-15M	900 (36)	
3000	0 (10)	1-15M	0	1-20M	0	1-20M	0	2-15M	0	2-15M	600 (24)	2-15M	600 (24)	1-15M+ 1-20M	900 (36)	1-20101	900 (36)	2-20M	1200 (48)	
3600	0 (12)	1-20M	0	2-15M	0	2-15M	0		600 (24)		600 (24)		900 (36)	1-10M+ 2-20M	1200 (48)	1-15M+ 2-20M	1200 (48)			S
4200	0 (14)	2-15M	0	2-15M	0	2-15M	600 (24)	1 20111	600 (24)		900 (36)	2-20M	1200 (48)	3-20M	1500 (60)	_	\leq			
4800	0 (16)		0	1-15M+ 1-20M	0		600 (24)	2-20M	900 (36)	1-15M+ 2-20M	1200 (48)	1-10M+ 3-20M	1500 (60)							\mathbb{N}
5400	0 (18)	1-15M+ 1-20M	0		600 (24)	1-10M+ 2-20M	900 (36)	1-15M+ 2-20M	1200 (48)	1-10M+ 3-20M	1500 (60)									
6000	0 (20)	2-20M	0	1-10M+ 2-20M	900 (36)	3-20M	1200 (48)	1-15M+ 3-20M	1500 (60)											

NOTES:

1. Stirrup spacing (s) and end distance are given in "mm" and "inch"

2. Do not install more than 4-20M bottom bar or equivalent combination of smaller bars.

3. Bottom reinforcement located 89mm (3.5") from bottom of lintel.

4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

5. Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where $S_{a,ICF} > 0.16$.





		Lintel - 10" Thick x 32" Deep (250mm Thick x 800mm Deep), s = 16" (400mm)																
Lintel		Uniformly Distributed Load																
	7.5 kN/m		11 kN/m 14.5			kN/m 18		kN/m	21.5 kN/m		29 kN/m		36.5 kN/m		43.5 kN/m		51	kN/m
Span, mm (ft)	500 lb/ft		750 lb/ft		1000 lb/ft		1250 lb/ft		1500 lb/ft		2000 lb/ft		2500 lb/ft		3000 lb/ft		3500 lb/ft	
min (ii)	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.
900 (3)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0
1200 (4)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0
1500 (5)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	0
1800 (6)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	800 (32)
2400 (8)	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-20M	0	2-15M	800 (32)	2-15M	800 (32)		800 (32)
3000 (10)	1-15M	0	1-15M	0	1-15M	0	1-20M	0	1-20M	0	2-15M	800 (32)	2-15M	800 (32)	2-15M	800 (32)	1-15M+ 1-20M	1200 (48)
3600 (12)	1-15M	0	1-20M	0	1-20M	0	2-15M	0	2-15M	800 (32)		800 (32)		1200 (48)	2-20M	1200 (48)	1-10M+ 2-20M	1200 (48)
4200 (14)	1-20M	0	2-15M	0	2-15M	0		800 (32)	2-15M	800 (32)	1-15M+ 1-20M	1200 (48)	1-10M+ 2-20M	1200 (48)	1-15M+ 2-20M	1600 (64)		
4800 (16)	2-15M	0	2-15M	0	2-15M	800 (32)	1-15M+ 1-20M	800 (32)		1200 (48)	1-10M+ 2-20M	1600 (64)						
5400 (18)	2-15M	0	2-15M	0	1-15M+ 1-20M	800 (32)	2-20M	1200 (48)	1-10M+ 2-20M	1200 (48)	3-20M	1600 (64)						
6000 (20)	2-15M	0	1-15M+ 1-20M	800 (32)	1-10M+ 2-20M	1200 (48)	1-15M+ 2-20M	1200 (48)	3-20M	1600 (64)	1-15M+ 3-20M	2000 (80)						

NOTES:

- Stirrup spacing (s) and end distance are given in "mm" and "inch"
 Bottom reinforcement located 89mm (3.5") from bottom of lintel.

 Do not install more than 4-20M bottom bar or equivalent combination of smaller bars.
 This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing". 5. Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where Sa, ICF > 0.16.

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			L	intel -	12'' TI	nick x	8" De	ep (3	00mm	Thick	x 200	mm D	eep), s	s = 3''	(75mr	n)		
1 Sector 1								Unifo	rmly Dis	stributed	Load							
Lintel Span,		kN/m		kN/m		kN/m		kN/m		kN/m		kN/m	-	kN/m		kN/m		kN/m
mm (ft)	500		750		1000		1250		1500		1750		2000		2250		2500	
111111 (IL)	Bottom Reinf.	Stirrup End	Bottom Reinf.	Stirrup End	Bottom Reinf.	Stirrup End	Bottom Reinf.	Stirrup End	Bottom Reinf.	Stirrup End	Bottom Reinf.	Stirrup End	Bottom Reinf.	Stirrup End	Bottom Reinf.	Stirrup End	Bottom Reinf.	Stirrup End
	Steel	Dist.																
900 (3)	1-10M	0	1-10M	0	1-10M	0	1-15M	0										
1200 (4)	1-15M	0	1-20M	0	1-20M	150 (6)	2-15M	150 (6)	2-15M	225 (9)								
1500 (5)	1-15M	0	1-15M	0	1-20M	0	1-20M	0	2-15M	150 (6)	2-15M	225 (9)	1-15M+ 1-20M	225 (9)				
1800 (6)	1-15M	0	1-20M	0	2-15M	0	2-15M	150 (6)										
2400 (8)	2-15M	0																
3000 (10)																		
3600 (12)																		
4200 (14)																		
4800 (16)																		
5400 (18)																		
6000 (20)																		

Table L. 4. 12" Lintel Reinforcement with Uniformly Distributed Load

NOTES:

Stirrup spacing (s) and end distance are given in "mm" and "inch"
 Bottom reinforcement located 89mm (3.5") from bottom of lintel.

5. Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where $S_{a,ICF} > 0.16$. 11 1

2. Do not install more than 1-15M + 1-20M bottom bar or equivalent combination of smaller bars. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

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				Lii	ntel - 1	2'' Th	ick x 1	2" De	ер (3	00mm	Thick	x 300	mm D	eep), s	s = 6''	(150m	nm) 🔺			
	1								Unifo	rmly Dis	stributed	Load	1							
	Lintel Span,		kN/m		kN/m	-	kN/m	-	kN/m	-	kN/m		kN/m		kN/m		8 kN/m		kN/m	
	mm (ft)	500			lb/ft	1000		1250		1500		1750		2000) lb/ft	2500		
	()	Bottom Reinf.	Stirrup End	Bottom Reinf.	Stirrup End	Bottom Reinf.	Stirrup End	Bottom Reinf.	Stirrup End	Bottom Reinf.	Stirrup End	Bottom Reinf.	Stirrup End	Bottom Reinf.	Stirrup End	Bottom Reinf.	Stirrup End	Bottom Reinf.	Stirrup End	
		Steel	Dist.																	
	900 (3)	1-10M	0	1-15M	0	1-15M	0													
	1200 (4)	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-20M	0	A								
	1500 (5)	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	0	1-20M	0	1-20M	0	1-20M	300 (12)	1-20M	300 (12)	
	1800 (6)	1-15M	0	1-15M	0	1-20M	0	1-20M	0	1-20M	0		300 (12)	2-15M	300 (12)		300 (12)		450 (18)	
	2400 (8)	1-20M	0	1-20M	0	1-20M	0	2-15M	300 (12)	1-15M+ 1-20M	300 (12)	1-15M+ 1-20M	450 (18)	2-20M	600 (24)	1-10M+ 2-20M	600 (24)	1-15M+ 2-20M	750 (30)	C
	3000 (10)	1-20M	0	2-15M	0	1-15M+ 1-20M	300 (12)	2-20M	450 (18)	1-15M+ 2-20M	600 (24)	3-20M	750 (30)				\bigcirc	K		2
	3600 (12)	2-15M	0	2-20M	300 (12)	1-15M+ 2-20M	600 (24)													
V	4200 (14)	2-20M	0	3-20M	450 (18)			K		K.	D	Á	DC	し	ア	//	ΑI		\square	
	4800 (16)																			
	5400 (18)																			
	6000 (20)																			

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NOTES:

1. Stirrup spacing (s) and end distance are given in "mm" and "inch"

2. Do not install more than 3-20M bottom bar or equivalent combination of smaller bars. 4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

3. Bottom reinforcement located 89mm (3.5") from bottom of lintel. Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where S_{a,ICF} > 0.16.





			Lir	ntel - 1	2'' Th	ick x 1	6'' De	ер (3	00mm	Thick	x 400	mm D	eep), s	s = 8''	(200m	m)	-	
								Unifo	rmly Dis	tributed	Load							
Lintel	7.5	kN/m	11	kN/m	14.5	kN/m	18	kN/m	21.5	kN/m	25.5	kN/m	29	kN/m	36.5	kN/m	43.5	kN/m
Span, mm (ft)	500	lb/ft	750	lb/ft	1000		1250	lb/ft	1500		1750		2000	lb/ft	2500	lb/ft	3000	
(iii)	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.
900 (3)	1-10M	0																
1200 (4)	1-10M	0	1-15M	0	1-15M	0	1-15M	0										
1500 (5)	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	0	1-20M	0	1-20M	400 (16)
1800 (6)	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-20M	0	1-20M	0	1-20M	0	1-20M	400 (16)	1-20M	400 (16)
2400 (8)	1-15M	0	1-20M	0	1-20M	0	1-20M	0	1-20M	0	2-15M	400 (16)	2-15M	400 (16)	1-15M+ 1-20M	600 (24)		800 (32)
3000 (10)	1-20M	0	1-20M	0	2-15M	0	2-15M	400 (16)	1-20M	400 (16)		600 (24)		800 (32)	1-15M+ 2-20M	1000 (40)	1-10M+ 3-20M	1000 (40)
3600 (12)	1-20M	0	2-15M	0	1-15M+ 1-20M	400 (16)		600 (24)	2-20M	800 (32)	1-15M+ 2-20M	1000 (40)	1-10M+ 3-20M	1000 (40)	4-20M	1200 (48)		
4200 (14)	2-15M	0	2-20M	0	1-10M+ 2-20M	600 (24)	1-15M+ 2-20M	800 (32)	1-10M+ 3-20M	1000 (40)	4-20M	1200 (48)						
4800 (16)		0	2-20M	400 (16)	1-10M+ 3-20M	800 (32)	4-20M	1200 (48)										
5400 (18)	1-10M+ 2-20M	0	1-10M+ 3-20M	800 (32)														
6000 (20)	3-20M	400 (16)																

1. Stirrup spacing (s) and end distance are given in "mm" and "inch"

3. Bottom reinforcement located 89mm (3.5") from bottom of lintel.

Do not install more than 4-20M bottom bar or equivalent combination of smaller bars.
 This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

5. Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where $S_{a,ICF} > 0.16$.

									_								-	
			Lin	tel - 12	2" Thi	ck x 24	4'' Dee				-	mm De	ep), s	= 12''	(300n	nm)		
Lintel	1			~ 1				Unifo	rmly Dis	stributed		/						
Span,		kN/m		kN/m	-	kN/m	-	kN/m	-	kN/m		kN/m		kN/m		kN/m		kN/m
mm (ft)		lb/ft		lb/ft	1000		1250		1500		2000		2500		3000		3500	
(it)	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.
900 (3)	1-10M	0																
1200 (4)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	0
1500 (5)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	0
1800 (6)	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	0	1-20M	0	1-20M	600 (24)
2400 (8)	1-15M	0	1-15M	0	1-15M	0	1-15M	0	1-20M	0	1-20M	0		600 (24)		600 (24)	-	600 (24)
3000 (10)) 1-15M	0	1-20M	0	1-20M	0	2-15M	0	2-15M	0	2-15M	600 (24)	1-20M	600 (24)		900 (36)	2-20M	900 (36)
3600 (12)) 1-20M	0	2-15M	0	2-15M	0	2-15M	0		600 (24)		900 (36)	1-10M+ 2-20M	900 (36)	2-201VI	1200 (48)	3-20M	1200 (48)
4200 (14)	2-15M	_0	2-15M	0	2-15M	0	1-15M+ 1-20M	600 (24)	2-20M	600 (24)	1-10M+ 2-20M	1200 (48)	3-20M	1200 (48)	1-15M+ 3-20M	1500 (60)		
4800 (16)	,	0	1-15M+ 1-20M	0		600 (24)	2-20M	600 (24)	2-20M	900 (36)	1-10M+ 3-20M	1500 (60)						
5400 (18)	1-15M+ 1-20M	0	2-20M	0	1-10M+ 2-20M	600 (24)		900 (36)	1-10M+ 3-20M	1200 (48)								
6000 (20)	2-20M	0	1-10M+ 2-20M	600 (24)	3-20M	900 (36)	1-15M+ 3-20M	1200 (48)										

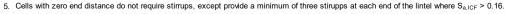
NOTES:

1. Stirrup spacing (s) and end distance are given in "mm" and "inch"

2. Do not install more than 4-20M bottom bar or equivalent combination of smaller bars.

3. Bottom reinforcement located 89mm (3.5") from bottom of lintel. 4. This table

4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".







			Lin	tel - 12	2'' Thi	ck x 3	2'' Dee	эр (30	0mm '	Thick	x 800	mm De	ep), s	= 16''	(400n	nm)		
								Unifo	rmly Dis	tributed	Load							
Lintel	7.5	kN/m	11	kN/m	14.5	kN/m	18	kN/m	21.5	kN/m	29	kN/m	36.5	kN/m	43.5	kN/m	51	kN/m
Span,		lb/ft	750		1000		1250		1500		2000	lb/ft	2500		3000		3500	lb/ft
mm (ft)	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.
900 (3)	1-10M	0																
1200 (4)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0
1500 (5)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0
1800 (6)	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	0
2400 (8)	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	0	1-20M	0	1-20M	0	2-15M	800 (32)	2-15M	800 (32)
3000 (10)	1-15M	0	1-15M	0	1-15M	0	1-20M	0	1-20M	0	2-15M	0	2-15M	800 (32)	1-15M+ 1-20M	800 (32)	1-15M+ 1-20M	800 (32)
3600 (12)	1-15M	0	1-20M	0	1-20M	0	2-15M	0	2-15M	0	1-15M+ 1-20M	800 (32)	1-15M+ 1-20M	800 (32)	2-20M	1200 (48)	1-10M+ 2-20M	1200 (48)
4200 (14)	1-20M	0	2-15M	0	2-15M	0	1-15M+ 1-20M	0	1-15M+ 1-20M	800 (32)	2-20M	800 (32)	1-10M+ 2-20M	1200 (48)	1-10M+ 2-20M	1200 (48)		
4800 (16)	2-15M	0	1-15M+ 1-20M	0	1-15M+ 1-20M	0	1-15M+ 1-20M	800 (32)		800 (32)	1-10M+ 2-20M	1200 (48)	3-20M	1600 (64)				
5400 (18)	1-15M+ 1-20M	0	1-15M+ 1-20M	0	1-15M+ 1-20M	0	- Y	800 (32)	1-10M+ 2-20M	1200 (48)	3-20M	1600 (64)	1-15M+ 3-20M	1600 (64)				\sim
6000 (20)	1-15M+ 1-20M	0	2-20M	0	1-10M+ 2-20M	800 (32)	1-15M+ 2-20M	1200 (48)	3-20M	1200 (48)	1-15M+ 3-20M	1600 (64)						

1. Stirrup spacing (s) and end distance are given in "mm" and "inch"

3. Bottom reinforcement located 89mm (3.5") from bottom of lintel.

2. Do not install more than 4-20M bottom bar or equivalent combination of smaller bars. 4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing". 5. Cells with zero end distance do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where Sa, ICF > 0.16.

INSULATING CONCRET E FC





S



The ICFMA Prescriptive ICF Design for Part 9 Structures in Canada Second Edition

				Linte	el - 6''	Thick x	8" De	ep (1	50mm	Thick	x 200r	nm Dee	ep), s	= 3'' (7	5mm)			
								Un	factored	I Point Lo	ad							
Lintel	4	kN	6	kN	8	kN	10	kN	12	kN	14	kN	16	kN	18	kN	20	kN
Span, mm (ft)	800		1300		1700		2200		2600		3100		3500		4000		4400	
(iii)	Bottom	Stirrups																
	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?
900 (3)	1-10M	NO	1-10M	NO	1-10M	YES	1-15M	YES	1-15M	YES	1-15M	YES	1-15M	YES	1-20M	YES	1-20M	YES
1200 (4)	1-10M	NO	1-10M	NO	1-15M	YES	1-15M	YES	1-20M	YES	1-20M	YES						
1500 (5)	1-15M	NO	1-15M	NO	1-20M	YES												
1800 (6)	1-15M	NO																
2400 (8)																		
3000 (10)																		
3600 (12)																		
4200 (14)																		
4800 (16)																		
5400 (18)			$\overline{}$				\sim			V	\sim			\sim				\sim
6000 (20)																		

Table L. 5. 6" Lintel Reinforcement with Concentrated Load

NOTES:

Stirrup spacing (s) is given in "inch" and "mm"
 Bottom reinforcement located 89mm (3.5") from bottom of lintel.

Do not install more than 1-20M bottom bar or equivalent combination of smaller bars.
 This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

5. Beams with "NO Stirrups Required" do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where SaICF > 0.16.

		/		Lintel	- 6'' T	hick x ′	12'' De	ep (15	50mm	Thick	x 300r	nm Dee	ep), s	= 6'' (15	50mm) /		
								Un	factorec	l Point Lo	ad		4					
Lintel Span,		kN	6.5			kN	11.5			kN	16.5			kN	21.5			kN
mm (ft)	800		1400		2000		2500		3100		3700		4200		4800		5300	
(it)	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?
900 (3)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	YES	1-15M	YES								
1200 (4)	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	YES										
1500 (5)	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-15M	YES	1-15M	YES	1-20M	YES	1-20M	YES	2-15M	YES
1800 (6)	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-20M	YES	1-20M	YES	2-15M	YES				
2400 (8)	1-15M	NO	1-15M	NO	2-15M	NO	2-15M	YES	1-15M+ 1-20M	YES								
3000 (10)	1-20M	NO	2-15M	NO														
3600 (12)	1-15M+ 1-20M	NO																
4200 (14)						\geq												
4800 (16)																		
5400 (18))						_	$\mathcal{O}\mathcal{I}$			-17			
6000 (20)																		

1. Stirrup spacing (s) is given in "inch" and "mm"

2. Do not install more than 1-15M + 1-20M bottom bar or equivalent combination of smaller bars. 4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

3. Bottom reinforcement located 89mm (3.5") from bottom of lintel.

5. Beams with "NO Stirrups Required" do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where SaICF > 0.16.





				Lintel	- 6'' T	hick x	16'' De	ep (15	50mm	Thick	x 400r	nm Dee	ep), s	= 8'' (20	0mm))		
								Un	factored	l Point Lo	ad							
Lintel	4	kN	7	kN	10	kN	13	kN	16	kN	19	kN	21	kN	24	kN	27	kN
Span, mm (ft)	800		1500		2200	lb	2900		3500	lb	4200		4700		5300		6000	_
mm (iii)	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required
	Steel	?																
900 (3)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	YES	1-10M	YES	1-10M	YES	1-15M	YES	1-15M	YES
1200 (4)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	YES								
1500 (5)	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	YES	1-20M	YES								
1800 (6)	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-15M	YES	1-15M	YES	1-20M	YES	2-15M	YES		
2400 (8)	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	YES	1-20M	YES	2-15M	YES	2-20M	YES				
3000 (10)	1-15M	NO	1-20M	NO	2-15M	NO	2-15M	YES	1-15M+ 1-20M	YES								
3600 (12)	1-20M	NO	2-15M	NO	1-15M+ 1-20M	NO	1-10M+ 2-20M	YES	1-15M+ 2-20M	YES								
4200 (14)	2-15M	NO	2-20M	NO	1-15M+ 2-20M	YES												
4800 (16)	2-20M	NO	1-15M+ 2-20M	NO														
5400 (18)	1-15M+ 2-20M	NO																
6000 (20)																		

 1. Stirrup spacing (s) is given in "inch" and "mm"
 2. Do not install more than 1-15M + 2-20M bottom bar or equivalent combination of smaller bars.

 3. Bottom reinforcement located 89mm (3.5") from bottom of lintel.
 4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

 5. Beams with "NO Stirrups Required" do not require stirrups, except provide a minimum of three stirrups at each end of the lintel where S_{a,ICF} > 0.16.

				Lintel ·	- 6" Th	nick x 2	4" De	ep (15	0mm ⁻	Thick x	600m	ım Dee	p), s =	12" (3	00mm	ı)		
								Un	factored	Point Lo	ad	/						
Lintel	4	kN	8	kN	12	kN	16	kN	20	kN	24	kN	28	kN	32	kN	36	kN
Span, mm (ft)	800		1700		2600		3500		4400		5300		6200		7100		8000	
niin (it)	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?
900 (3)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	YES	1-10M	YES	1-10M	YES	1-10M	YES	1-15M	YES
1200 (4)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	YES	1-10M	YES	1-15M	YES	1-15M	YES	1-15M	YES
1500 (5)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	YES								
1800 (6)	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	YES	1-15M	YES	1-15M	YES	1-15M	YES	1-20M	YES
2400 (8)	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-15M	YES	1-20M	YES	2-15M	YES	2-15M	YES
3000 (10)	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	YES	1-20M	YES	2-15M	YES	1-15M + 1-20M	YES	2-20M	YES		
3600 (12)	1-15M	NO	1-15M	NO	1-20M	NO	2-15M	YES	2-15M	YES	2-20M	YES	1-10M+ 2-20M	YES				
4200 (14)	1-20M	NO	1-20M	NO	2-15M	NO	1-15M+ 1-20M	YES	2-20M	YES	1-15M+ 2-20M	YES						
4800 (16)	1-20M	NO	2-15M	NO	1-15M+ 1-20M	NO	1-10M+ 2-20M	YES	1-15M+ 2-20M	YES	1-15M+ 3-20M	YES						
5400 (18)	2-15M	NO	2-20M	NO	1-10M+ 2-20M	YES	3-20M	YES	1-15M+ 3-20M	YES								
6000 (20)	1-15M+ 1-20M	NO	1-10M+ 2-20M	NO	3-20M	YES	1-15M+ 3-20M	YES										

Stirrup spacing (s) is given in "inch" and "mm"
 Bottom reinforcement located 89mm (3.5") from bottom of lintel.

 J. Stirup spacing (s) is given in "inch" and "mm"
 2. Do not install more than 4-20M bottom bar or equivalent combination of smaller bars.

 3. Bottom reinforcement located 89mm (3.5") from bottom of lintel.
 4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

 5. Beams with "NO Stirups Required" do not require stirups, except provide a minimum of three stirupps at each end of the lintel where S_{a,LCF} > 0.16.





				Lintel	- 6'' Tł	nick x 3	2" De	ep (15	0mm ⁻	Thick x	800m	nm Dee	p), s =	16'' (4	00mm)		
								Un	factored	l Point Lo	bad							
Lintel	4	kN	9	kN	14	kN	19	kN	24	kN	29	kN	34	kN	39	kN	44	kN
Span,	800	lb	2000	lb	3100	lb	4200	lb	5300	lb	6500	lb	7600	lb	8700	lb	9800	lb
mm (ft)	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required
	Steel	?																
900 (3)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	YES								
1200 (4)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	YES	1-10M	YES	1-10M	YES	1-15M	YES	1-15M	YES
1500 (5)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	YES	1-15M	YES	1-15M	YES	1-15M	YES	1-15M	YES
1800 (6)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	YES	1-15M	YES	1-15M	YES	1-15M	YES	1-20M	YES
2400 (8)	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-20M	YES	1-20M	YES	1-20M	YES	1-15M+ 1-20M	YES
3000 (10)	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	YES	1-20M	YES	1-20M	YES	2-15M	YES				
3600 (12)	1-15M	NO	1-20M	NO	1-20M	NO	1-20M	YES	2-15M	YES	1-15M+ 1-20M	YES						
4200 (14)	1-20M	NO	1-20M	NO	1-20M	NO	2-15M	YES	1-15M+ 1-20M	YES								
4800 (16)	1-20M	NO	1-20M	NO	2-15M	NO	1-15M+ 1-20M	YES	1-10M+ 2-20M	YES								
5400 (18)	1-20M	NO	2-15M	NO	1-15M+ 1-20M	NO	2-20M	YES										
6000 (20)	2-15M	NO	1-15M+ 1-20M	NO	2-20M	YES	1-10M+ 2-20M	YES										

Stirrup spacing (s) is given in "inch" and "mm"
 Bottom reinforcement located 89mm (3.5") from bottom of lintel.

Do not install more than 4-20M bottom bar or equivalent combination of smaller bars.
 This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".
 a minimum of three stirups at each end of the lintel where Super > 0.16.





INSULATING CONCRETE FORMS MANUFACTURERS ASSOCIATION





The ICFMA Prescriptive ICF Design for Part 9 Structures in Canada Second Edition

				Linte	el - 8'' '	Thick x	8" De	ep (20	0mm	Thick	x 200n	nm Dee	ep), s	= 3'' (75	5mm)	•		
								Un	factorec	l Point Lo	ad							
Lintel Span,	4	kN	6	kN	8	kN	10	kN	12	kN	14	kN	16	kN	18	kN	20	kN
mm (ft)	800		1300		1700		2200		2600		3100		3500		4000		4400	
iiiiii (it)	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required
	Steel	?																
900 (3)	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	YES	1-15M	YES	1-15M	YES	1-15M	YES	1-20M	YES	1-20M	YES
1200 (4)	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-20M	YES	1-20M	YES						
1500 (5)	1-15M	NO	1-15M	NO	1-20M	NO	1-20M	YES										
1800 (6)	1-15M	NO	1-20M	NO														
2400 (8)																		
3000 (10)																		
3600 (12)																		
4200 (14)																		
4800 (16)																		
5400 (18)	\sim		\sim	\square			\sim	\sim			\sim			\sim				$\sum_{i=1}^{n}$
6000 (20)																		

Table L. 6. 8" Lintel Reinforcement with Concentrated Load

NOTES:

Stirrup spacing (s) is given in "inch" and "mm"
 Bottom reinforcement located 89mm (3.5") from bottom of lintel.

Do not install more than 1-20M bottom bar or equivalent combination of smaller bars.
 This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

5. Beams with "NO Stirrups Required" do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where Sa, ICF > 0.16.

								Un	factored	l Point Lo	bad				/		1	
Lintel	4	kN	6.5	kN	9	kN	11.5	kN	14	kN	16.5	kN	19	kN	21.5	kN	24	kN
Span, mm (ft)	800		1400		2000		2500		3100		3700		4200		4800		5300	
iiiiii (it)	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?
900 (3)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	YES	1-15M	YES	1-15M	YES	1-15M	YES
1200 (4)	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	YES								
1500 (5)	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-15M	YES	1-20M	YES	1-20M	YES	1-15M+ 1-20M	YES
1800 (6)	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	YES	1-20M	YES	2-15M	YES	2-15M	YES	1-15M+ 1-20M	YES
2400 (8)	1-15M	NO	1-20M	NO	1-20M	NO	2-15M	NO	1-15M+ 1-20M	YES	2-20M	YES						
3000 (10)		NO	2-15M	NO	2-20M	NO						D =				\square	D	M
3600 (12)	1-15M+ 1-20M	NO																
4200 (14)				Λ	(D	C	Λ	CC	\mathbf{C}	$h \square$		$\Gamma \Lambda$		\frown
4800 (16)																		
5400 (18)																		
6000 (20)																		

1. Stirrup spacing (s) is given in "inch" and "mm"

2. Do not install more than 2-20M bottom bar or equivalent combination of smaller bars.

Bottom reinforcement located 8pm (3.5°) from bottom of lintel.
 Beams with "NO Stirrups Required" do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where S_{a,LCF} > 0.16.





				Lintel	- 8'' T	hick x	16'' De	ep (20	0mm	Thick	x 400r	nm Dee	ep), s	= 8'' (20)0mm)]
								Un	factored	l Point Lo	ad							
Lintel	4	kN	7	kN	10	kN	13	kN	16	kN	19	kN	21	kN	24	kN	27	kN
Span, mm (ft)	800		1500	_	2200		2900		3500	lb	4200		4700		5300	_	6000	
mm (iii)	Bottom Reinf. Steel	Stirrups Required	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required	Bottom Reinf. Steel	Stirrups Required 2	Bottom Reinf. Steel	Stirrups Required 2	Bottom Reinf. Steel	Stirrups Required 2	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required
900 (3)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	YES	1-10M	YES	1-15M	YES	1-15M	YES
1200 (4)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	YES	1-15M	YES	1-15M	YES	1-15M	YES
1500 (5)	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-15M	YES	1-15M	YES	1-20M	YES
1800 (6)	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-20M	YES	2-15M	YES	2-15M	YES
2400 (8)	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	NO	1-20M	YES	2-15M	YES	1-15M+ 1-20M	YES	2-20M	YES		
3000 (10)	1-15M	NO	1-15M	NO	2-15M	NO	2-15M	NO	1-15M+ 1-20M	YES	2-20M	YES	1-15M + 2-20M	YES				
3600 (12)	1-20M	NO	2-15M	NO	1-15M+ 1-20M	NO	2-20M	NO	1-10M+ 2-20M	YES								
4200 (14)	2-15M	NO	2-20M	NO	1-10M+ 2-20M	NO	3-20M	NO										
4800 (16)	2-20M	NO	1-15M+ 2-20M	NO														
5400 (18)	1-10M+ 2-20M	NO																
6000 (20)	3-20M	NO																

 1. Stirrup spacing (s) is given in "inch" and "mm"
 2. Do not install more than 3-20M bottom bar or equivalent combination of smaller bars.

 3. Bottom reinforcement located 89mm (3.5") from bottom of lintel.
 4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

 5. Beams with "NO Stirrups Required" do not require stirrups, except provide a minimum of three stirrups at each end of the lintel where S_{a,ICF} > 0.16.

				Lintel	8" Th	nick x 2	4'' De	ep (20	0mm ⁻	Thick x	600m	im Dee	p), s =	12" (3	00mm)	-]
					_			Un	factored	Point Lo	ad					/			1
Lintel	4	kN	8	kN	12	kN	16	kN	20	kN	24	kN	28	kN	32	kN	36	kN	j
Span,	800		1700	lb	2600	lb	3500		4400	lb	5300	lb	6200		7100		8000	lb]
mm (ft)	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	
900 (3)	1-10M	NO	1-10M	YES	1-10M	YES	1-15M	YES											
1200 (4)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	YES	1-15M	YES	1-15M	YES	
1500 (5)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-15M	YES	1-15M	YES	
1800 (6)	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-20M	YES	1-20M	YES	
2400 (8)	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	NO	1-20M	YES	1-20M	YES	2-15M	YES	2-15M	YES	
3000 (10)	1-15M	NO	1-20M	NO	1-20M	NO	1-20M	NO	1-20M	NO	2-15M	YES	1-15M + 1-20M	YES	2-20M	YES			
3600 (12)	1-20M	NO	1-20M	NO	1-20M	NO	2-15M	NO	2-15M	NO	1-15M + 1-20M	YES	1-10M + 2-20M	YES					
4200 (14)	1-20M	NO	2-15M	NO	2-15M	NO	1-15M+ 1-20M	NO	2-20M	YES	1-15M+ 2-20M	YES	1-10M + 3-20M	YES					
4800 (16)	2-15M	NO	2-15M	NO	2-20M	NO	1-10M+ 2-20M	NO	1-15M+ 2-20M	YES	1-10M+ 3-20M	YES							
5400 (18)		NO	2-20M	NO	1-10M+ 2-20M	NO	1-15M+ 2-20M	NO	1-10M+ 3-20M	YES		0							
6000 (20)	1-15M+ 1-20M	NO	1-10M+ 2-20M	NO	3-20M	NO	1-15M+ 3-20M	NO											
NOTES:					d														

Stirrup spacing (s) is given in "inch" and "mm"
 Bottom reinforcement located 89mm (3.5") from bottom of lintel.

 J. Stirup spacing (s) is given in "inch" and "mm"
 2. Do not install more than 4-20M bottom bar or equivalent combination of smaller bars.

 3. Bottom reinforcement located 89mm (3.5") from bottom of lintel.
 4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

 5. Beams with "NO Stirups Required" do not require stirups, except provide a minimum of three stirupps at each end of the lintel where S_{a,LCF} > 0.16.



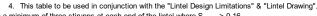


				Lintel	8'' Tł	nick x 3	2'' De	ep (20	0mm ⁻	Thick x	800m	im Dee	p), s =	16'' (4	00mm)		
								Un	factored	l Point Lo	bad							
Lintel	4	kN	9	kN	14	kN	19	kN	24	kN	29	kN	34	kN	39	kN	44	kN
Span, mm (ft)	800	lb	2000		3100	lb	4200	lb	5300	_	6500	lb	7600	lb	8700		9800	lb
mm (iii)	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required		Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required
	Steel	?	Steel	?	Steel	?	Steel	?	Steel	?								
900 (3)	1-10M	NO	1-10M	NO	1-10M	YES	1-10M	YES	1-10M	YES								
1200 (4)	1-10M	NO	1-10M	NO	1-10M	YES	1-15M	YES	1-15M	YES								
1500 (5)	1-10M	NO	1-15M	NO	1-15M	YES	1-15M	YES	1-15M	YES								
1800 (6)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-15M	YES	1-15M	YES
2400 (8)	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	YES	2-15M	YES	2-15M	YES	2-15M	YES
3000 (10)	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	NO	2-15M	NO	2-15M	YES	2-15M	YES	1-15M+ 1-20M	YES		
3600 (12)	1-15M	NO	1-20M	NO	1-20M	NO	2-15M	NO	2-15M	NO	1-15M+ 1-20M	YES	2-20M	YES				
4200 (14)	1-20M	NO	2-15M	NO	2-15M	NO	2-15M	NO	1-15M+ 1-20M	NO	1-10M+ 2-20M	YES						
4800 (16)	2-15M	NO	2-15M	NO	2-15M	NO	1-15M+ 1-20M	NO	1-10M+ 2-20M	YES								
5400 (18)	2-15M	NO	2-15M	NO	1-15M+ 1-20M	NO	2-20M	NO	3-20M	YES								
6000 (20)	2-15M	NO	1-15M+ 1-20M	NO	2-20M	NO	1-10M+ 2-20M	NO										

1. Stirrup spacing (s) is given in "inch" and "mm"

2. Do not install more than 4-20M bottom bar or equivalent combination of smaller bars.

Bottom reinforcement located 89mm (3.5") from bottom of lintel.
 Beams with "NO Stirrups Required" do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where S_{a,LCF} > 0.16.









The ICFMA Prescriptive ICF Design for Part 9 Structures in Canada Second Edition

				Linte	- 10''	Thick	x 8'' D	eep (2	50mm	Thick	x 200	mm De	ep), s	= 3'' (7	5mm)	•		
								Un	factored	I Point Lo	bad							
Lintel		kN		kN		kN		kN		kN								
Span, mm (ft)	800		1300		1700		2200		2600		3100		3500		4000		4400	
	Bottom	Stirrups	Bottom	Stirrups	Bottom	Stirrups	Bottom	Stirrups	Bottom	Stirrups								
	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?
900 (3)	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-15M	YES	1-15M	YES	1-20M	YES
1200 (4)	1-15M	NO	1-20M	YES	1-20M	YES	2-15M	YES	2-15M	YES								
1500 (5)	1-15M	NO	1-15M	NO	1-20M	NO	1-20M	NO	2-15M	NO								
1800 (6)	1-15M	NO	1-20M	NO	2-15M	NO												
2400 (8)	2-15M	NO																
3000 (10)																		
3600 (12)																		
4200 (14)																		
4800 (16)																		
5400 (18)							\sim			$\overline{\mathbf{v}}$	\geq			\sim				\sim
6000 (20)																		

Table L. 7. 10" Lintel Reinforcement with Concentrated Load

NOTES:

Stirrup spacing (s) is given in "inch" and "mm"
 Bottom reinforcement located 89mm (3.5") from bottom of lintel.

2

Do not install more than 2-15M bottom bar or equivalent combination of smaller bars.
 This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

5. Beams with "NO Stirrups Required" do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where Sa, ICF > 0.16.

							0	<u> </u>		Point Lo	100	mm De	<u>, , , , , , , , , , , , , , , , , , , </u>	~ (1	••••			
Lintel	4	kN	6.5	kN	9	kN	11.5			kN	16.5	kN	19	kN	21.5	kN	24	kN
Span,	800	lb	1400	lb	2000	lb	2500	lb	3100	lb	3700	lb	4200	lb	4800	lb	5300	lb
mm (ft)	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	4	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?
900 (3)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-15M	YES	1-15M	YES
1200 (4)	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-15M	YES	1-15M	YES
1500 (5)	1-10M	NO	1-15M	NO	1-20M	YES	1-20M	YES	2-15M	YES								
1800 (6)	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	NO	1-20M	NO	2-15M	YES	2-15M	YES	1-15M+ 1-20M	YES
2400 (8)	1-15M	NO	1-20M	NO	1-20M	NO	2-15M	NO	1-15M+ 1-20M	NO	2-20M	YES	1-10M + 2-20M	YES				
3000 (10)	1-20M	NO	2-15M	NO	1-15M+ 1-20M	NO	1-10M+ 2-20M	NO				DE				\frown	6	M
3600 (12)	1-15M+ 1-20M	NO	2-20M	NO														
4200 (14)	1-10M+ 2-20M	NO		Λ (\frown		IC		D	2	Λ	CC	\cdot			TΛ	11/	
4800 (16)																		
5400 (18)																		
5000 (20)																		

NOTES:

1. Stirrup spacing (s) is given in "inch" and "mm"

2. Do not install more than 1-10M + 2-20M bottom bar or equivalent combination of smaller bars.

Bottom inforcement located 8pmm (3.5°) from bottom of lintel.
 Beams with "NO Stirrups Required" do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where S_{a,ICF} > 0.16.





				Lintel -	- 10'' T	hick x	16'' D	eep (2	50mm	Thick	x 400	mm De	ep), s	= 8'' (2	00mm)		
								Un	factored	l Point Lo	ad							
Lintel	4	kN	7	kN	10	kN	13	kN	16	kN	19	kN	21	kN	24	kN		kN
Span, mm (ft)	800		1500		2200		2900		3500	_	4200		4700		5300		6000	
min (it)	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required		Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required
	Steel	?	Steel	?	Steel	?	Steel	?	Steel	?	Steel	?	Steel	?	Steel	?	Steel	?
900 (3)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	YES	1-15M	YES
1200 (4)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-15M	YES
1500 (5)	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	NO	1-20M	YES	1-20M	YES
1800 (6)	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	NO	1-20M	NO	1-20M	NO	2-15M	YES	2-15M	YES
2400 (8)	1-15M	NO	1-20M	NO	1-20M	NO	1-20M	NO	1-20M	NO	2-15M	NO	1-15M+ 1-20M	YES	2-20M	YES	1-10M+ 2-20M	YES
3000 (10)	1-20M	NO	1-20M	NO	2-15M	NO	2-15M	NO	1-15M+ 1-20M	NO	2-20M	NO	1-15M + 2-20M	YES	1-10M+ 3-20M	YES		
3600 (12)	1-20M	NO	2-15M	NO	1-15M+ 1-20M	NO	2-20M	NO	1-10M+ 2-20M	NO	1-10M+ 3-20M	YES						
4200 (14)	2-15M	NO	2-20M	NO	1-10M+ 2-20M	NO	3-20M	NO	1-15M+ 3-20M	NO								
4800 (16)	2-20M	NO	1-10M+ 2-20M	NO	1-10M+ 3-20M	NO												
5400 (18)	1-10M+ 2-20M	NO	1-10M+ 3-20M	NO														
6000 (20)	3-20M	NO	1-10M+ 3-20M	NO														

 J. Stirrup spacing (s) is given in "inch" and "mm"
 2. Do not install more than 1-10M + 3-20M bottom bar or equivalent combination of smaller bars.

 3. Bottom reinforcement located 89mm (3.5") from bottom of lintel.
 4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

 5. Beams with "NO Stirrups Required" do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where S_{a,LCF} > 0.16.

								Un	factored	Point Lo	ad	/				1		
Lintel	4	kN	8	kN	12	kN	16	kN	20	kN	24	kN	28	kN	32	kN	36	kN
Span, mm (ft)	800		1700	lb	2600	lb	3500		4400		5300		6200		7100		8000	lb
mm (iii)	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?
900 (3)	1-10M	NO	1-15M	YES														
1200 (4)	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	YES										
1500 (5)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-15M	YES
1800 (6)	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	YES	1-20M	YES
2400 (8)	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	NO	1-20M	NO	2-15M	NO	2-15M	YES	2-15M	YES
3000 (10)	1-15M	NO	1-20M	NO	1-20M	NO	2-15M	NO	2-15M	NO	2-15M	NO	1-15M + 1-20M	NO	2-20M	YES	1-10M+ 2-20M	YES
3600 (12)	1-20M	NO	2-15M	NO	2-15M	NO	2-15M	NO	2-15M	NO	2-20M	NO	1-10M + 2-20M	YES	1-15M+ 2-20M	YES		
4200 (14)	2-15M	NO	2-15M	NO	2-15M	NO	1-15M+ 1-20M	NO	2-20M	NO	1-10M+ 2-20M	NO	3-20M	YES	F		R	M
4800 (16)	2-15M	NO	1-15M+ 1-20M	NO	2-20M	NO	1-10M+ 2-20M	NO	1-15M+ 2-20M	NO	1-10M + 3-20M	NO						
5400 (18)	1-15M+ 1-20M	NO	2-20M	NO	1-10M+ 2-20M	NO	1-15M+ 2-20M	NO	1-10M+ 3-20M	NO	Δ	$\leq c$	50	$\mathbf{D}(\mathbf{C})$		Δ 1	(
6000 (20)	2-20M	NO	1-10M+ 2-20M	NO	3-20M	NO	1-15M+ 3-20M	NO										

NOTES

1. Stirrup spacing (s) is given in "inch" and "mm"

3. Bottom reinforcement located 89mm (3.5") from bottom of lintel.

Do not install more than 4-20M bottom bar or equivalent combination of smaller bars.
 This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

5. Beams with "NO Stirrups Required" do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where Sa, ICF > 0.16.



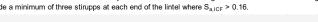


				Lintel -	10'' T	hick x	32'' De	ep (2	50mm	Thick	x 800r	nm Dee	ep), s	= 16'' (4	00mn	n)		
								Un	factored	Point Lo	bad							
Lintel	4	kN	9	kN	14	kN	19	kN	24	kN	29	kN	34	kN	39	kN	44	kN
Span,	800	lb	2000	lb	3100	lb	4200	lb	5300	lb	6500	lb	7600	lb	8700	lb	9800	lb
mm (ft)	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required		Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required
	Steel	?	Steel	7	Steel	?	Steel	?	Steel	?								
900 (3)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	YES								
1200 (4)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	YES
1500 (5)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-15M	YES
1800 (6)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	YES	1-20M	YES
2400 (8)	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	NO	2-15M	NO	2-15M	YES	2-15M	YES
3000 (10)	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	NO	2-15M	NO	2-15M	NO	2-15M	NO	1-15M+ 1-20M	YES	1-15M+ 1-20M	YES
3600 (12)	1-15M	NO	1-20M	NO	1-20M	NO	2-15M	NO	2-15M	NO	2-20M	NO	2-20M	YES				
4200 (14)	1-20M	NO	2-15M	NO	2-15M	NO	2-15M	NO	1-15M+ 1-20M	NO	1-10M+ 2-20M	NO	1-15M+ 2-20M	YES				
4800 (16)	2-15M	NO	2-15M	NO	2-15M	NO	1-15M+ 1-20M	NO	1-10M+ 2-20M	NO	3-20M	NO						
5400 (18)	2-15M	NO	2-15M	NO	1-15M+ 1-20M	NO	2-20M	NO	3-20M	NO								
6000 (20)	2-15M	NO	1-15M+ 1-20M	NO	1-10M+ 2-20M	NO	1-15M+ 2-20M	NO	1-15M+ 3-20M	NO								

1. Stirrup spacing (s) is given in "inch" and "mm"

2. Do not install more than 4-20M bottom bar or equivalent combination of smaller bars. 4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

Bottom reinforcement located 89mm (3.5") from bottom of lintel.
 Beams with "NO Stirrups Required" do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where S_{a,LCF} > 0.16.









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				Linte	- 12''	Thick	x 8'' D	eep (3	00mm	Thick	x 200	mm De	ep), s	= 3'' (7	5mm)	•		·
								Un	factored	I Point Lo	ad							
Lintel	4	kN		kN		kN	10	kN	12	kN	14	kN	16	kN	18	kN	20) kN
Span, mm (ft)	800	-	1300		1700		2200		2600		3100		3500		4000		4400	
(iii)	Bottom	Stirrups	Bottom	Stirrups	Bottom	Stirrups	Bottom	Stirrups										
	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?	Reinf. Steel	Required ?
900 (3)	1-10M	NO	1-10M	NO	1-15M	YES	1-15M	YES	1-20M	YES								
1200 (4)	1-15M	NO	1-20M	NO	1-20M	YES	2-15M	YES	2-15M	YES								
1500 (5)	1-15M	NO	1-15M	NO	1-20M	NO	1-20M	NO	2-15M	NO	2-15M	NO	1-15M + 1-20M	YES				
1800 (6)	1-15M	NO	1-20M	NO	2-15M	NO	2-15M	NO										
2400 (8)	2-15M	NO																
3000 (10)																		
3600 (12)																		
4200 (14)																		
4800 (16)																		
5400 (18)				\sim			\sim			V	\sim			\sim				\sim
6000 (20)																		

Table L. 8. 12" Lintel Reinforcement with Concentrated Load

NOTES:

Stirrup spacing (s) is given in "inch" and "mm"
 Bottom reinforcement located 89mm (3.5") from bottom of lintel.

 $\mathbf{\Sigma}$

Do not install more than 1-15M + 1-20M bottom bar or equivalent combination of smaller bars.
 This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

5. Beams with "NO Stirrups Required" do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where Sa, ICF > 0.16.

								Un	factored	Point Lo	bad	/					1	
Lintel	4	kN	6.5	kN	9	kN	11.5	kN	14	kN	16.5	i kN	19	kN	21.5	kN	24	kN
Span, mm (ft)	800		1400		2000		2500		3100		3700		4200		4800		5300	
(it)	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?
900 (3)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	YES								
1200 (4)	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-15M		1-20M	NO	1-20M	YES
1500 (5)	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	NO	1-20M	NO	1-20M	NO	1-20M	YES	2-15M	YES
1800 (6)	1-15M	NO	1-15M	NO	1-20M	NO	1-20M	NO	1-20M	NO	1-20M	NO	2-15M	NO	2-15M	YES	1-15M+ 1-20M	YES
2400 (8)	1-20M	NO	1-20M	NO	1-20M	NO	2-15M	NO	1-15M+ 1-20M	NO	2-20M	NO	1-10M + 2-20M	NO	1-15M+ 2-20M	YES		
000 (10)	1-20M	NO	2-15M	NO	1-15M+ 1-20M	NO	2-20M	NO	1-15M+ 2-20M	NO		D =				\bigcirc	D	M
600 (12)	2-15M	NO	2-20M	NO	1-15M+ 2-20M	NO												
200 (14)	2-20M	NO	3-20M	NO					D	C	Δ_{-}	$C \subseteq$	\mathbf{C}	hc		$\Box \Delta$		\frown
800 (16)																		
400 (18)																		

1. Stirrup spacing (s) is given in "inch" and "mm"

2. Do not install more than 3-20M bottom bar or equivalent combination of smaller bars.

Bottom reinforcement located 8pm (3.5°) from bottom of lintel.
 Beams with "NO Stirrups Required" do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where S_{a,LCF} > 0.16.





				Lintel	- 12'' T	hick x	16'' D	eep (3	00mm	Thick	x 400	mm De	ep), s	= 8'' (2	00mm)		·
								Un	factored	l Point Lo	ad							
Lintel	4	kN	7	kN	10	kN	13	kN	16	kN	19	kN	21	kN	24	kN	27	kN
Span, mm (ft)	800	_	1500		2200		2900		3500	_	4200		4700		5300	-	6000	
mm (iii)	Bottom Reinf. Steel	Stirrups Required	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required 2	Bottom Reinf. Steel	Stirrups Required	Bottom Reinf. Steel	Stirrups Required 2	Bottom Reinf. Steel	Stirrups Required	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required
900 (3)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO
1200 (4)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	NO
1500 (5)	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	NO	1-20M	NO	1-20M	YES
1800 (6)	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	NO	1-20M	NO	1-20M	NO	2-15M	NO	2-15M	YES
2400 (8)	1-15M	NO	1-20M	NO	1-20M	NO	1-20M	NO	1-20M	NO	2-15M	NO	1-15M + 1-20M	NO	2-20M	NO	1-15M+ 2-20M	YES
3000 (10)	1-20M	NO	1-20M	NO	2-15M	NO	2-15M	NO	1-15M+ 1-20M	NO	2-20M	NO	1-15M + 2-20M	NO	1-10M+ 3-20M	YES		
3600 (12)	1-20M	NO	2-15M	NO	1-15M+ 1-20M	NO	2-20M	NO	1-10M+ 2-20M	NO	1-10M+ 3-20M	NO	4-20M	NO				
4200 (14)	2-15M	NO	2-20M	NO	1-10M+ 2-20M	NO	1-15M+ 2-20M	NO	1-10M+ 3-20M	NO								
4800 (16)	2-20M	NO	1-10M+ 2-20M	NO	1-10M+ 3-20M	NO	4-20M	NO										
5400 (18)	1-10M+ 2-20M	NO	1-10M+ 3-20M	NO	4-20M	NO												
6000 (20)	3-20M	NO																

 J. Stirrup spacing (s) is given in "inch" and "mm"
 2. Do not install more than 4-20M bottom bar or equivalent combination of smaller bars.

 3. Bottom reinforcement located 89mm (3.5") from bottom of lintel.
 4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

 5. Beams with "NO Stirrups Required" do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where S_{a,ICF} > 0.16.

				Lintel -	12" T	hick x 2	24'' De	eep (30	00mm	Thick	<u>x 600r</u>	nm Dee	ep), s⊧	= 12'' (3	300mn	n)		
								Un	factored	l Point Lo	bad							
Lintel	4	kN	8	kN	12	kN	16	kN	20	kN	24	kN	28	kN	32	kN	36	kN
Span, mm (ft)	800		1700		2600		3500		4400		5300		6200		7100		8000	
(it)	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?	Bottom Reinf. Steel	Stirrups Required ?
900 (3)	1-10M	NO	1-15M	NO														
1200 (4)	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO										
1500 (5)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO								
1800 (6)	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	NO	1-20M	NO
2400 (8)	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	NO	1-20M	NO	2-15M	NO	2-15M	NO	2-15M	YES
3000 (10)	1-15M	NO	1-20M	NO	1-20M	NO	2-15M	NO	2-15M	NO	2-15M	NO	1-15M + 1-20M	NO	2-20M	NO	1-10M+ 2-20M	YES
3600 (12)	1-20M	NO	2-15M	NO	2-15M	NO	2-15M	NO	2-15M	NO	2-20M	NO	1-10M + 2-20M	NO	1-15M+ 2-20M	NO		
4200 (14)	2-15M	NO	2-15M	NO	2-15M	NO	1-15M+ 1-20M	NO	2-20M	NO	1-10M+ 2-20M	NO	3-20M	NO			R	M
4800 (16)		NO	1-15M+ 1-20M	NO	2-20M	NO	1-10M+ 2-20M	NO	1-15M+ 2-20M	NO	1-10M + 3-20M	NO	4-20M	NO				
5400 (18)	1-15M+ 1-20M	NO	2-20M	NO	1-10M+ 2-20M	NO	3-20M	NO	1-10M+ 3-20M	NO	4-20M	NO	\mathbf{C}	\mathbf{D}		Δ]		
6000 (20)	2-20M	NO	1-10M+ 2-20M	NO	3-20M	NO	1-15M+ 3-20M	NO										

NOTES

1. Stirrup spacing (s) is given in "inch" and "mm" 3. Bottom reinforcement located 89mm (3.5") from bottom of lintel. Do not install more than 4-20M bottom bar or equivalent combination of smaller bars.
 This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

5. Beams with "NO Stirrups Required" do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where Sa, ICF > 0.16.





	Lintel - 12" Thick x 32" Deep (300mm Thick x 800mm Deep), s = 16" (400mm)																	
								Un	factored	l Point Lo	bad							
Lintel	4	kN	9	kN	14	kN	19	kN	24	kN	29	kN	34	kN	39	kN	44	kN
Span,	800	lb	2000	lb	3100	lb	4200		5300	_	6500	lb	7600		8700		9800	lb
mm (ft)	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required	Bottom Reinf.	Stirrups Required
	Steel	?	Steel	?	Steel	?	Steel	?	Steel	?	Steel	?	Steel	?	Steel	?	Steel	?
900 (3)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO
1200 (4)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO
1500 (5)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	NO
1800 (6)	1-10M	NO	1-10M	NO	1-10M	NO	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	NO
2400 (8)	1-10M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	NO	2-15M	NO	2-15M	NO	1-15M+ 1-20M	NO
3000 (10)	1-15M	NO	1-15M	NO	1-15M	NO	1-20M	NO	2-15M	NO	2-15M	NO	1-15M + 1-20M	NO	1-15M+ 1-20M	NO	2-20M	YES
3600 (12)	1-15M	NO	1-20M	NO	1-20M	NO	2-15M	NO	1-15M+ 1-20M	NO	1-15M+ 1-20M	NO	2-20M	NO	1-15M+ 2-20M	NO		
4200 (14)	1-20M	NO	2-15M	NO	2-15M	NO	1-15M+ 1-20M	NO	1-15M+ 1-20M	NO	1-10M+ 2-20M	NO	1-15M + 2-20M	NO				
4800 (16)	2-15M	NO	1-15M+ 1-20M	NO	1-15M+ 1-20M	NO	1-15M+ 1-20M	NO	1-10M+ 2-20M	NO	3-20M	NO						
5400 (18)	1-15M+ 1-20M	NO	1-15M+ 1-20M	NO	1-15M+ 1-20M	NO	3-20M	NO	3-20M	NO	1-15M+ 3-20M	NO						
6000 (20)	1-15M+ 1-20M	NO	2-20M	NO	1-10M+ 2-20M	NO	1-15M+ 2-20M	NO	1-15M+ 3-20M	NO								

1. Stirrup spacing (s) is given in "inch" and "mm"

2. Do not install more than 4-20M bottom bar or equivalent combination of smaller bars. 4. This table to be used in conjunction with the "Lintel Design Limitations" & "Lintel Drawing".

Bottom reinforcement located 89mm (3.5") from bottom of lintel.
 Beams with "NO Stirrups Required" do not require stirrups, except provide a minimum of three stirupps at each end of the lintel where S_{a,LCF} > 0.16.



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Concentrated Point Load Table

Table C. 1. Maximum Un-Factored Point Load on a Solid Wall Without Opening

Solid Wall Length Under a Point Load, m(ft)	0.91 (3)	1.22 (4)	1.52 (5)
Maximum Unfactored Point Load, kN	225	300	375

NOTES:

1. Provide beam pockets, as necessary.

2. In addition to the wall reinforcing required in the following tables, two additional 15M vertical bars shall be installed directly below the point load.

3. Maximum un-factored point loads given in Table C. 1 are only the wall capacity. It is the responsibility of the roof and floor designer to ensure adequate bearing for all framing members is provided on the concrete walls.



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Stair Opening Tables

Table A. 12. Above Grade Wall Distributed Horizontal Reinforcement at Stair Openings

Seismic Zone Classification: $S_{a,ICF} \le 0.79$ Hourly wind Pressure: $q_{1/50} \le 1.05$

			Horizontal Reinforcement Size and Spacing, mm (in) Seismic Zone Classification, S _{a,ICF}							
Wall Thickness	Max Length of Stair Opening	Plack Usight								
mm(in)	(Unsupported Length of Wall)	Block Height mm(in)	≤0.16	≤ 0.31	≤ 0.79					
,	m(ft)	,	Hourly Winds Pressure, q _{1/50} (kPa)							
			≤ 0.5	≤ 0.75	≤ 1.05					
150 (6)	4.5 (15)	300 (12) & 450 (18)	15M @ 450 (18)	15M @ 450 (18)	15M @ 300 (12)					
150 (6)	4.5 (15)	400 (16)	15M @ 400 (16)	15M @ 400 (16)	15M @ 300 (12)					
200 (8)	(8) 5.1 (17) 300 (12) & 4		15M @ 450 (18)	15M @ 450 (18)	15M @ 300 (12)					
200 (8)	5.1(17)	400 (16)	15M @ 400 (16)	15M @ 400 (16)	15M @ 300 (12)					
250 (10)	5.1 (17)	300 (12) & 450 (18)	10M @ 450 (18)	15M @ 450 (18)	15M @ 300 (12)					
230(10)	5.1(17)	400 (16)	10M @ 400 (16)	15M @ 400 (16)	15M @ 300 (12)					
200 (12	300 (42) 30		10M @ 450 (18) (2 layers)	10M @ 450 (18) (2 layers)	15M @ 300 (12) (2 layers)					
300 (12	5.7 (19)	400 (16)	10M @ 400 (16) (2 layers)	10M @ 400 (16) (2 layers)	15M @ 300 (12) (2 layers)					

NOTES:

1. This table to be used in conjunction with the "Design Parameters".

2. This table applies to all height of above grade walls where there is no lateral support at the floor level because of stair opening.

3. The laterally unsupported length at the top of the wall is the dimension of the stair opening parallel to the wall.

4. Single bars are to be staggered and the vertical bars are to be placed between these staggered bars, as per Detail A.1 and A.2.

5. Increase the horizontal reinforcement as per this table and extend beyond the stair opening a minimum of 900mm (3'-0"), bend bars, if necessary, at wall corners.

6. Provide a minimum of 1.22m (4'-0") length of laterally supported wall on each side of the opening. The 1.22m (4'-0") length may be a perpendicular wall on the same side as the stair opening. Bend horizontal bars around the corner to provide the minimum required 900mm (3'-0") extension.

7. Increase the vertical reinforcement on each side of the stair opening per the "Design Limitation" noted in section 5.5.5.

8. Place the reinforcing for 6", 8" and 10" thick wall in accordance with Detail A.1.

9. Provide two layers of indicated horizontal reinforcing for 300mm (12") walls. Place each layer as shown in Detail A.2.

10. Alternating horizontal bar spacing of 12" o.c. and 24" o.c. may be used to achieve an average spacing of 18" o.c. where 18" o.c. spacing is specified for horizontal bars.

- 11. Provide 3 horizontal bars in every two rows of 18" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars.
- 12. Provide 4 horizontal bars in every three rows of 16" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars.

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Table B. 5. Below Grade Wall Distributed Horizontal Reinforcement at Stair Opening for Seismic Zone Classification $S_a(0.2) \le 0.7$, Hourly Wind Pressure , q1/50 ≤ 1.05 kPa, and Backfill

Seismic Zone Classification: $S_{a,ICF} \le 0.31$ Hourly wind Pressure: $q_{1/50} \le 1.05$

Backfill Equivalent Fluid Density: 480 kg/m³ (30pcf)

		Horizontal Reinforcement Size and Spacing, mm (in)									
Wall Thickness	Block Height		Seismic Zone Classification, S _{a,ICF} ≤ 0.11								
mm(in)	mm(in)	Max Length of Stair Opening (Unsupported Length of Wall), m(ft)									
		2.44 (8)	3.05 (10)	3.66 (12)	4.27 (14)						
150 (6)	300 (12) & 450 (18)	15M @ 450 (18)	2-15M @ 450 (18)								
130(0)	400 (16)	15M @ 400 (16)	2-15M @ 400 (16)								
200 (8)	300 (12) & 450 (18)	15M @ 450 (18)	2-15M @ 450 (18)	2-15M @ 450 (18)	2-15M @ 300 (12)						
200 (8)	400 (16)	15M @ 400 (16)	2-15M @ 400 (16)	2-15M @ 400 (16)	2-15M @ 300 (12)						
250 (10)	300 (12) & 450 (18)	15M @ 450 (18)	15M @ 450 (18)	2-15M @ 450 (18)	2-15M @ 450 (18)						
	400 (16)	15M @ 400 (16)	15M @ 400 (16)	2-15M @ 400 (16)	2-15M @ 400 (16)						
200 (12	300 (12) & 450 (18)	15M @ 450 (18)	15M @ 450 (18)	15M @ 450 (18)	2-15M @ 450 (18)						
300 (12	400 (16)	15M @ 400 (16)	15M @ 400 (16)	15M @ 400 (16)	2-15M @ 400 (16)						
			Seismic Zone Classi	fication, S _{a,ICF} ≤ 0.31							
VARA V	300 (12) & 450 (18)	$\sim \sim \sim$	> > >		$\wedge \wedge \wedge$						
150 (6)	400 (16)										
200 (8)	300 (12) & 450 (18)	2-15M @ 450 (18)									
200 (8)	400 (16)	2-15M @ 400 (16)									
250 (10)	300 (12) & 450 (18)	2-15M @ 450 (18)	2-15M @ 450 (18)								
250 (10)	400 (16)	2-15M @ 400 (16)	2-15M @ 400 (16)								
200 (12	300 (12) & 450 (18)	15M @ 450 (18)	2-15M @ 450 (18)	2-15M @ 300 (12)							
300 (12	400 (16)	15M @ 400 (16)	2-15M @ 400 (16)	2-15M @ 300 (12)							

NOTES:

1. This table to be used in conjunction with the "Design Parameters".

2. This table applies to all height of below grade walls where there is no lateral support at the floor level because of stair opening.

3. The laterally unsupported length at the top of the wall is the dimension of the stair opening parallel to the wall.

4. The below grade wall maybe backfilled up to 6" below the top of the wall.

5. Single bars are to be staggered between first two slots of ICF web on inside face of wall. The vertical bars are to be placed between these staggered bars, as per Detail B.1.

6. Where two bars are specified, they are to be placed as a single bundled bar staggered between the first two slots of the ICF web on the inside face of the wall. The vertical bars are to be placed between these staggered bars, as per Detail B.1.

7. Increase the horizontal reinforcement as per this table and extend beyond the stair opening a minimum of 900mm (3'-0"), bend bars, if necessary, at wall corners.

8. Provide a minimum of 1.22m (4'-0") length of laterally supported wall on each side of the opening. The 1.22m (4'-0") length may be a perpendicular wall on the same side as the stair opening. Bend horizontal bars around the corner to provide the minimum required 900mm (3'-0") extension.

. Increase the vertical reinforcement on each side of the stair opening per the "Design Limitation" noted in section 5.5.5.

Reinforce the foundation wall at the stair opening as per the below grade wall reinforcement tables and this table for a minimum of 1.22m (4'-0") beyond each end of the stair opening for foundation wall that would not otherwise require reinforcing.
 Basement walls with stair opening at locations with Seismic Zone Classification S_{a,ICF} > 0.31 or Backfill Equivalent Fluid Density

> 480 kg/m3 (30pcf) shall be designed by a professional engineer.
 12. Alternating horizontal bar spacing of 12" o.c. and 24" o.c. may be used to achieve an average spacing of 18" o.c. where 18"

Alternating nonzontal bar spacing of 12" o.c. and 24" o.c. may be used to achieve an average spacing of 18" o.c. where 18" o.c. spacing is specified for horizontal bars.

 Provide 3 horizontal bars in every two rows of 18" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars.

14. Provide 4 horizontal bars in every three rows of 16" high block to achieve an average spacing of 12" o.c. where 12" spacing o.c. is specified for horizontal bars.





	Laterally Unsupported Length of the Wall (Stair Opening Length), m (ft)									
S_{Table} , mm	5.7 (19)	5.1 (17)	4.5 (15)	3.9 (13)	2.7 (9)	2.1(7)	1.5 (5)			
(in)				S _{REDUCED}						
1200 (48)	350 (14)	375 (15)	400 (16)	450 (18)	550 (22)	625 (25)	725 (29)			
1050 (42)	300 (12)	325 (13)	350 (14)	400 (16)	475 (19)	550 (22)	625 (25)			
1000 (40)	275 (11)	300 (12)	325 (13)	375 (15)	450 (18)	525 (21)	600 (24)			
900 (36)	250 (10)	275 (11)	300 (12)	325 (13)	400 (16)	475 (19)	550 (22)			
800 (32)	225 (9)	250 (10)	275 (11)	300 (12)	375 (15)	425 (17)	475 (19)			
750 (30)	200 (8)	225 (9)	250 (10)	275 (11)	350 (14)	400 (16)	450 (18)			
600 (24)	175 (7)	175 (7)	200 (8)	225 (9)	275 (11)	300 (12)	350 (14)			
450 (18)			150 (6)	150 (6)	200 (8)	225 (9)	275 (11)			
400 (16)				150 (6)	175 (7)	200 (8)	225 (9)			
300 (12)						150 (6)	175 (7)			

Table A. 13. Bar Spacing Required at Each Side of the Stair Opening

Notes:

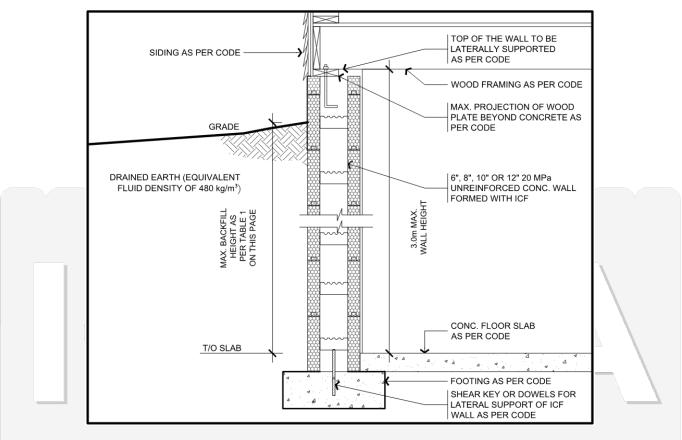
- 1. S_{REDUCED} = the bar spacing (mm/in) required at the sides of the stair opening.
- 2. S_{TABLES} = the required bar spacing (mm/in) for a laterally supported wall as determined from above grade and below grade walls tables.
- 3. If the spacing of the additional vertical reinforcing required on each side of openings, described in the equation given in part 5.5., is less than 150mm (6"), a local design professional shall be retained to prepare the design in accordance with applicable standards.

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Laterally Supported Foundation Wall Detail and Table



Detail B. 2. Laterally Supported Foundation Wall

2.3m (7'-6")

2.6m (8'-6")

2.6m (8'-6")

2.2m (7'-2")

2.85m (9'-4")

2.85m (9'-4")

Table B. 6. Maximum Height of Finish Ground Above Basement FloorMinimum WallHeight of Foundation WallMinimum Wall $\leq 2.5m (8'-2")$ $>2.75m \& \leq 3.0m (9'-0")$ Thickness $\leq 2.5m (8'-2")$ >1.6m (5'-3")6"1.8m (5'-10")1.6m (5'-3")

2.3m (7'-6")

2.3m (7'-6")

2.3m (7'-6")

Notes:

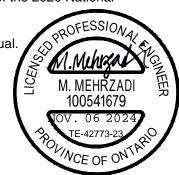
- 1. This section references Part 9 of the 2020 National Building Code of Canada.
- 2. This detail applies to one- and two-story buildings conforming to part 9 of the 2020 National Building Code of Canada.
- 3. This table is a copy of NBCC 2020 T.9.15.4.2-A.

8"

10"

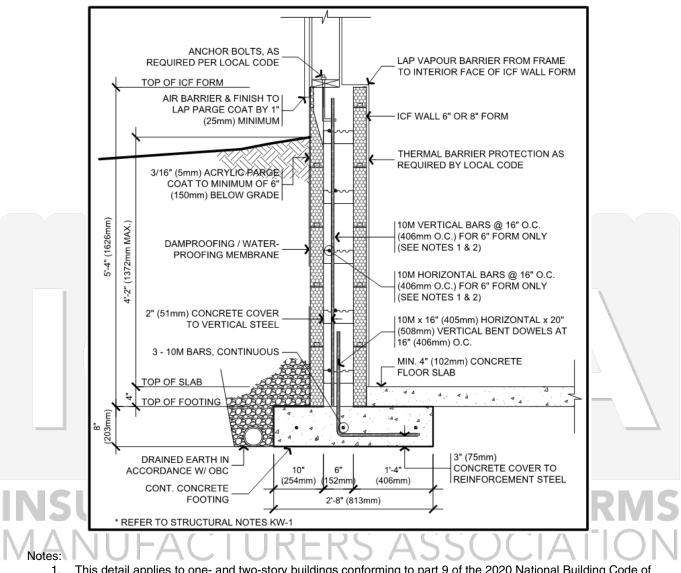
12"

4. This table to be used in conjunction with section 5.6. of this design manual.





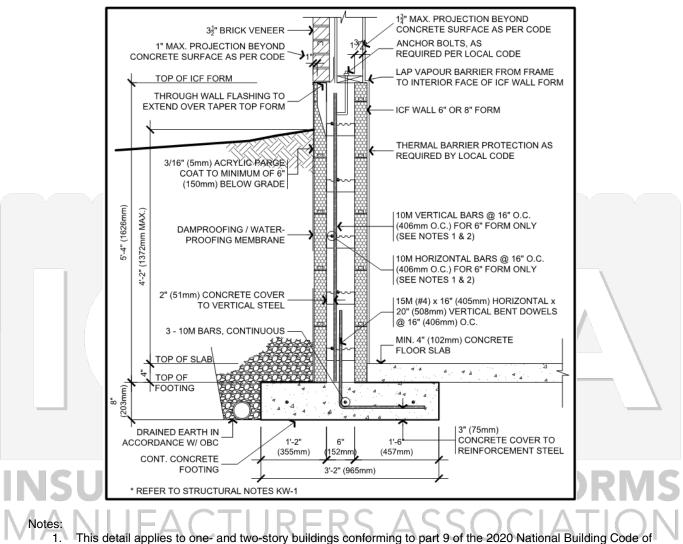
Laterally Unsupported Foundation Wall Detail and Table



- 1. This detail applies to one- and two-story buildings conforming to part 9 of the 2020 National Building Code of Canada.
- 2. Wall reinforcing not required when using 8" forms or thicker (As per table 9.15.4.2.-A of the 2020 National Building Code of Canada).
- 3. Wall reinforcing not required for 6" forms where the backfill height above basement floor does not exceed 2'-7" (As per table 9.15.4.2.-A of the 2020 National Building Code of Canada).
- 4. Footing reinforcement and dowels are required for all cases.
- 5. Refer to section 5.7., for additional information.







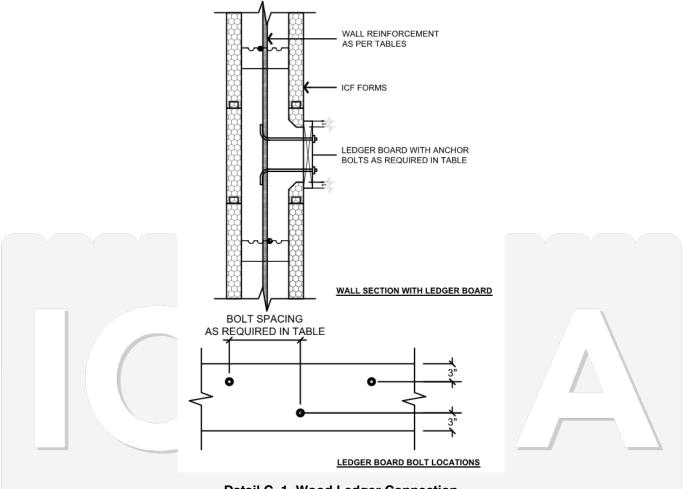
- 1. This detail applies to one- and two-story buildings conforming to part 9 of the 2020 National Building Code of Canada.
- Wall reinforcing not required when using 8" forms (As per table 9.15.4.2.-A of the 2020 National Building Code of Canada).
- 3. Wall reinforcing not required for 6" forms where the backfill height above basement floor does not exceed 2'-7" (As per table 9.15.4.2.-A of the 2020 National Building Code of Canada).
- 4. Footing reinforcement and dowels are required for all cases.
- 5. Refer to section 5.7., for additional information.

Detail B. 4. Laterally Unsupported Foundation Wall (Knee Wall) with Brick Veneer





Ledger Connection Detail and Table



Detail C. 1. Wood Ledger Connection

	Table	e C. 2. F	loor Ledg	jer Ancho	r Bolts Siz	e and Spa	acing					
	An ab an Dalt		Minimum Spacing of Staggered Anchors, in									
	Anchor Bolt	Tie		Floor span, ft (m)								
	Diameter	Spaing	8' (2.44m)	12' (3.66m)	16' (4.88m)	20' (6.1m)	24' (7.32m)					
	1/2"	6"	18"	12"	12"	6"	6"					
	1/2"	8"	16"	16"	8"	8"	8"					
	E /0"	6"	24"	18"	12"	12"	6"					
	5/8"	8"	24"	16"	16"	8"	8"					

Notes:

1. Anchor bolts to be installed at the indicated spacing and staggered as shown.

2. Design assumes floor ledger supports vertical floor load only. Design of floor diaphragm by others.

3. Design loads: 40psf (1.9 kPa) floor live load, 15psf (0.7 kPa) floor dead load.

4. Anchor bolts shall conform to the requirements of ASTM standard A307.

5. Anchor bolt connection to be installed at Dry Service Condition.

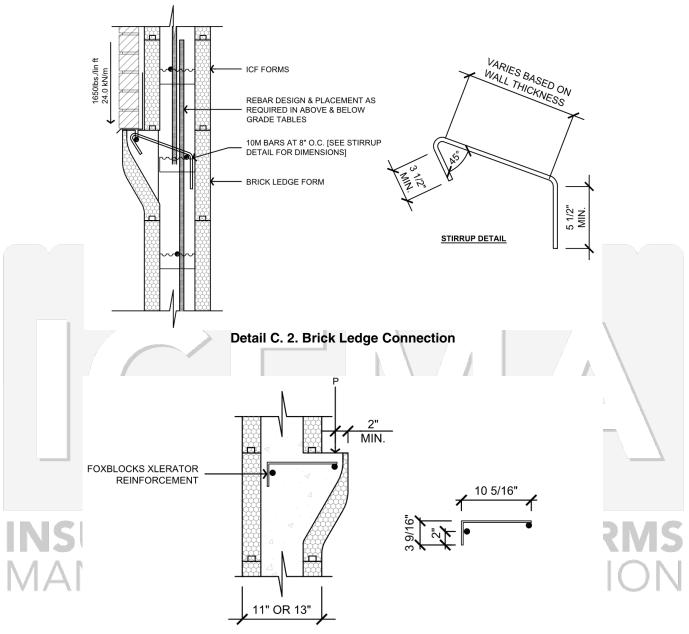




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ΜΔΙ

Brick Ledge Detail and Table



NOTE: XLERATOR REINFORCEMENT TO BE D4 DEFORMED WELDED WIRE WITH A YIELD STRENGTH OF 483MPa (70ksi) IN ACCORDANCE WITH ASTM A1064 REQUIREMENTS.

Detail C. 3. FOXBLOCKS xLerator Ledge Reinforcement





Application	Capacity				
Brick					
- max 4" thick	9.6m (31'-6") high				
- max 20kN/m ³					
Wood Floor Joists					
- 0.7kPa (15psf) Dead Load	6.4m (21') Truibutary floor width				
- 1.9kPa (40psf) Live Load					
Other					
- maximum factored load	24kN/m (1650 plf)				

Table C. 3. Brick Ledge Load Capacity

Notes:

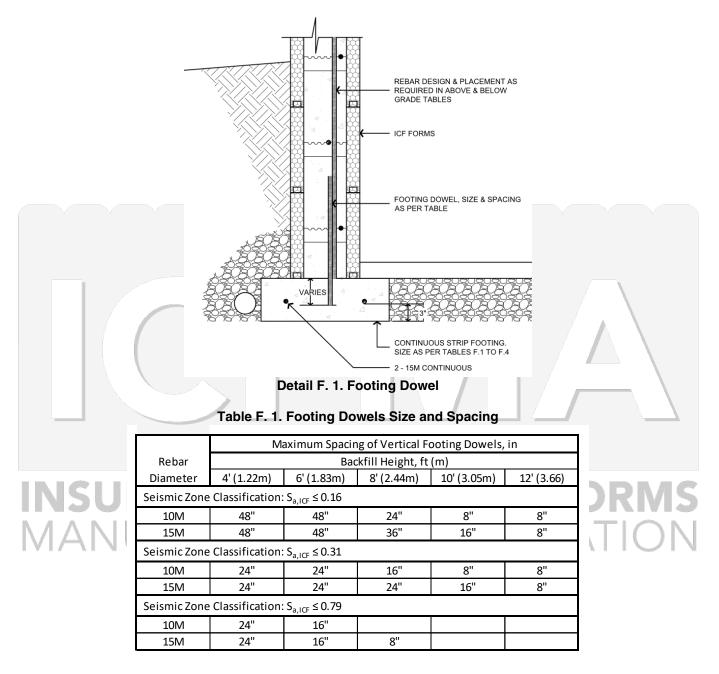
- 1. Concrete Ledge reinforcement is to support floor framing and masonry veneer in conformance with the "Design Limitations".
- 2. The concrete ledge is to support uniformly distributed loads only. It is not to support concentrated load.
- 3. The above grade and below grade wall reinforcing tables include the effects of using the ledge to support floor framing.
- 4. The below grade wall reinforcing tables include the effects of using the ledge to support masonry veneer.
- 5. The maximum brick height given does not account for windows. To include the effect of windows, it is necessary to calculate an effective brick height.
- 6. The ledge reinforcement is 10M hooked rebar as shown in Detail C. 2. It is to be placed 6" or 8" on center matching the tie spacing of ICF blocks.
- 7. Provide the required concrete cover for the vertical leg of the ledge reinforcement.

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Footing Details and Tables



Notes:

- 1. Footing Dowels to be installed as per Details F.1.
- 2. Provide 18" long straight dowels for $S_{a,ICF} \le 0.16$ embedded 6" into the footing.
- 3. Provide 30"V x 8"H bent dowels for $S_{a,ICF} > 0.16$ embedded 8" into the footing.
- Provide 30"V x 8"H bent dowels embedded 8" into the footing at shear walls locations, r spacing of vertical bars of the shear walls.





				-	_
ICF Wall	Ν	Ainimum Footing Wi	dth x Thickness, in x i	n	
Thickness,		Allowable Soil Bearir	ng Pressure, psf (kPa)		
in (mm)	3000 (144)	2500 (120)	2000 (96)	1500 (72)	
Two Storey	- ICF Basement Walls	s, Wood Main Floor V	Valls, and Wood Seco	ond Floor Walls	
6 (150)	16" x 6"	16" x 6"	16" x 6"	20" x 6"	
8 (200)	18" x 6"	18" x 6"	18" x 6"	22" x 6"	
10 (250)	20" x 6"	20" x 6"	20" x 6"	24" x 6"	
12 (300)	22" x 6"	22" x 6"	22" x 6"	26" x 8"	
Two Storey	- ICF Basement Walls	s, ICF Main Floor Wall	s, and Wood Second	Floor Walls	
6 (150)	16" x 6"	18" x 6"	22" x 8"	28" x 8"	
8 (200)	18" x 6"	20" x 6"	26" x 8"	34" x 10"	
10 (250)	20" x 6"	24" x 8"	30" x 10"	40" x 10"	
12 (300)	22" x 8"	26" x 8"	32" x 10"	42" x 12"	
Two Storey	- ICF Basement Walls	s, ICF Main Floor Wall	s, and ICF Second Flo	oor Walls	
6 (150)	18" x 8"	20" x 8"	26" x 10"	34" x 10"	V.
8 (200)	22" x 8"	26" x 8"	32" x 10"	42" x 12"	
10 (250)	26" x 8"	30" x 10"	38" x 12"	50" x 14"	
12 (300)	26" x 8"	32" x 10"	40" x 12"	52" x 14"	
One Storey	- ICF Basement Walls	s, and Wood Main Flo	oor Walls		
6 (150)	16" x 6"	16" x 6"	16" x 6"	16" x 6"	
8 (200)	18" x 6"	18" x 6"	18" x 6"	18" x 6"	
10 (250)	20" x 6"	20" x 6"	20" x 6"	20" x 6"	
12 (300)	22" x 6"	22" x 6"	22" x 6"	22" x 6"	
One Storey	- ICF Basement Walls	s, and ICF Main Floor	Walls		
6 (150)	16" x 6"	16" x 6"	18" x 6"	24" x 8"	
8 (200)	18" x 6"	18" x 6"	22" x 8"	28" x 8"	
10 (250)	20" x 6"	20" x 6"	26" x 8"	34" x 10"	
12 (300)	22" x 8"	22" x 8"	28" x 8"	36" x 10"	

Table F. 2. Minimum Exterior Strip Footing Sizes Not Supporting Roof Loads

Notes:

1.

2.

3

All footings are to be reinforced with 2-15M continuous bars, as per drawing F.1.

Refer to the Canadian Design Limitations for maximum floor and roof spans and loads.

This table does not include masonry veneer. Increase the footing width by 2" and the thickness by 1" for:

- b. Every 12'-0" of masonry veneer for 3000 psf soil bearing capacity.
- c. Every 10'-0" of masonry veneer for 2500psf soil bearing capacity.
- d. Every 8'-0" of masonry veneer for 2000psf soil bearing capacity.

e. Every 6'-0" of masonry veneer for 1500psf soil bearing capacity.

4. The footing size for locations with $S_{a,ICF} > 0.16$ to be the larger of 30" wide by 12" deep or the size shown in the table.





ICF Wall	Mi	nimum Footing Widtl	h x Thickness, in x in	
Thickness, in		lowable Soil Bearing		
(mm)	3000 (144)	2500 (120)	2000 (96)	1500 (72)
Two Storey - ICF	Basement Walls, Woo	d Main Floor Walls, a	nd Wood Second Floo	or Walls
6 (150)	16" x 6"	18" x 6"	22" x 8"	28" x 8"
8 (200)	18" x 6"	20" x 6"	24" x 8"	32" x 10"
10 (250)	20" x 6"	20" x 6"	26" x 8"	34" x 10"
12 (300)	22" x 8"	22" x 8"	28" x 8"	36" x 10"
Two Storey - ICF	Basement Walls, ICF N	Aain Floor Walls, and	Wood Second Floor V	Valls
6 (150)	20" x 8"	24" x 8"	28" x 10"	38" x 12"
8 (200)	22" x 8"	26" x 10"	32" x 10"	44" x 12"
10 (250)	24" x 8"	30" x 10"	36" x 10"	48" x 14"
12 (300)	26" x 8"	32" x 10"	38" x 12"	52" x 14"
Two Storey - ICF	Basement Walls, ICF N	Aain Floor Walls, and	ICF Second Floor Wal	ls
6 (150)	22" x 8"	26" x 10"	32" x 10"	44" x 12"
8 (200)	26" x 10"	30" x 10"	38" x 12"	50" x 14"
10 (250)	30" x 10"	36" x 12"	44" x 14"	58" x 16"
12 (300)	30" x 10"	36" x 12"	46" x 14"	60" x 16"
One Storey - ICF	Basement Walls, and V	Nood Main Floor Wa	lls	
6 (150)	16" x 6"	16" x 6"	18" x 6"	24" x 8"
8 (200)	18" x 6"	18" x 6"	20" x 6"	26" x 8"
10 (250)	20" x 6"	20" x 6"	22" x 6"	28" x 8"
12 (300)	22" x 6"	22" x 6"	22" x 6"	30" x 8"
One Storey - ICF	Basement Walls, and I	CF Main Floor Walls		
6 (150)	16" x 6"	20" x 8"	24" x 8"	32" x 10"
8 (200)	20" x 8"	24" x 8"	28" x 10"	38" x 10"
10 (250)	22" x 8"	26" x 8"	32" x 10"	44" x 12"
12 (300)	24" x 8"	28" x 10"	34" x 10"	46" x 12"

Table F. 3. Minimum Exterior Strip Footing Sizes Supporting Roof Snow Loads ≤ 2kPa

All footings are to be reinforced with 2-15M continuous bars, as per drawing F.1. -1.

Refer to the Canadian Design Limitations for maximum floor and roof spans and loads. 2.

This table does not include masonry veneer. Increase the footing width by 2" and the thickness by 1" for: 3.

a) Every 12'-0" of masonry veneer for 3000 psf soil bearing capacity.

Every 10'-0" of masonry veneer for 2500psf soil bearing capacity. b)

c) Every 8'-0" of masonry veneer for 2000psf soil bearing capacity.

d) Every 6'-0" of masonry veneer for 1500psf soil bearing capacity.

The footing size for locations with $S_{a,ICF} > 0.16$ to be the larger of 30" wide by 12" deep or the size shown in 4. the table.





		i outpi ooutig Sizes	Supporting Roof Sho	W LOAUS 2 THEA
ICF Wall	Γ	Minimum Footing Wi	dth x Thickness, in x ii	n
Thickness,		Allowable Soil Bearir	ng Pressure, psf (kPa)	
in (mm)	3000 (144)	2500 (120)	2000 (96)	1500 (72)
Two Storey	- ICF Basement Walls	s, Wood Main Floor V	Valls, and Wood Seco	nd Floor Walls
6 (150)	18" x 8"	22" x 8"	26" x 10"	36" x 10"
8 (200)	20" x 8"	24" x 8"	28" x 10"	38" x 10"
10 (250)	20" x 6"	24" x 8"	30" x 10"	40" x 10"
12 (300)	22" x 8"	26" x 8"	32" x 10"	42" x 12"
Two Storey	- ICF Basement Walls	s, ICF Main Floor Wal	ls, and Wood Second	Floor Walls
6 (150)	22" x 8"	28" x 10"	34" x 12"	44" x 14"
8 (200)	26" x 10"	30" x 10"	38" x 12"	50" x 14"
10 (250)	28" x 10"	34" x 12"	42" x 12"	56" x 16"
12 (300)	30" x 10"	36" x 12"	44" x 14"	58" x 16"
Two Storey	- ICF Basement Walls	s, ICF Main Floor Wal	ls, and ICF Second Flo	or Walls
6 (150)	26" x 10"	30" x 12"	38" x 12"	50" x 14"
8 (200)	30" x 12"	34" x 12"	44" x 14"	58" x 16"
10 (250)	34" x 12"	40" x 14"	50" x 16"	66" x 18"
12 (300)	34" x 12"	40" x 14"	50" x 16"	68" x 18"
One Storey	- ICF Basement Walls	s, and Wood Main Flo	oor Walls	
6 (150)	16" x 6"	18" x 6"	22" x 8"	30" x 10"
8 (200)	18" x 6"	20" x 6"	24" x 8"	32" x 10"
10 (250)	20" x 6"	22" x 6"	26" x 8"	34" x 10"
12 (300)	22" x 8"	22" x 8"	28" x 8"	38" x 10"
One Storey	- ICF Basement Walls	s, and ICF Main Floor	Walls	
6 (150)	20" x 8"	24" x 8"	30" x 10"	38" x 12"
8 (200)	22" x 8"	28" x 10"	34" x 10"	44" x 12"
10 (250)	26" x 8"	30" x 10"	38" x 12"	50" x 14"
		32" x 10"	40" x 12"	52" x 14"

Table F. 4. Minimum Exterior Strip Footing Sizes Supporting Roof Snow Loads ≤ 4kPa
--

All footings are to be reinforced with 2-15M continuous bars, as per drawing F.1. 1.

Refer to the Canadian Design Limitations for maximum floor and roof spans and loads. 2.

This table does not include masonry veneer. Increase the footing width by 2" and the thickness by 1" for: 3.

a) Every 12'-0" of masonry veneer for 3000 psf soil bearing capacity.
b) Every 10'-0" of masonry veneer for 2500psf soil bearing capacity.
c) Every 8'-0" of masonry veneer for 2000psf soil bearing capacity.
d) Every 6'-0" of masonry veneer for 1500psf soil bearing capacity.

The footing size for locations with $S_{a,ICF} > 0.16$ to be the larger of 30" wide by 12" deep or the size shown in 4. the table.





Appendix A. Equivalent Spectral Response Acceleration for ICF Walls, $S_{a,\text{ICF}}{}^{\star}$

Province and Location	Sa,ICF	Province and Location	Sa,ICF		Province and Location	Sa,ICF		Province and Location
British Columbia		Parksville	0.723		Calgary	0.137		Humboldt
100 Mile House	0.123	Penticton	0.146		Campsie	0.090		Island Falls
Abbotsford	0.518	Port Alberni			Camrose	0.079		Kamsack
Agassiz	0.374	Port Alice			Canmore	0.201		Kindersley
Alberni		Port Hardy	0.605		Cardston	0.198		Lloydminster
Ashcroft	0.172	Port McNeill	0.621		Claresholm	0.160		Maple Creek
Bamfield		Port Renfrew			Cold Lake	0.053		Meadow Lake
Beatton River	0.108	Powell River	0.523		Coleman	0.203		Melfort
Bella Bella	0.257	Prince George	0.100		Coronation	0.070		Melville
Bella Coola	0.182	Prince Rupert	0.301		Cowley	0.205		Moose Jaw
Burns Lake	0.092	Princeton	0.221		Drumheller	0.093		Nipawin
Cache Creek	0.168	Qualicum Beach	0.713		Edmonton	0.083		North Battleford
Campbell River	0.549	Queen Charlotte City			Edson	0.124		Prince Albert
Carmi	0.129	Quesnel	0.096		Embarras Portage	0.050		Qu'Appelle
Castlegar	0.108	Revelstoke	0.118		Fairview	0.097		Regina
Chetwynd	0.147	Salmon Arm	0.114		Fort MacLeod	0.167		Rosetown
Chilliwack	0.421	Sandspit	0.114		Fort McMurray	0.052		Saskatoon
Comox	0.621	Sechelt	0.615		Fort Saskatchewan	0.075		Scott
Courtenay	0.626	Sidney	5.515		Fort Vermilion	0.059		Strasbourg
Cranbrook	0.138	Smith River	0.414		Grande Prairie	0.111		Strasbourg Swift Current
Crescent Valley	0.108	Smithers	0.414		Habay	0.072		Uranium City
Crofton			0.101		Hardisty	0.072		
Dawson Creek	0.119	Sooke	0.463		High River	0.150		Weyburn
Dease Lake	0.148	Stewart	0.463		Hinton	0.198		Yorkton
Dog Creek	0.140	Tahsis	0.185		Jasper	0.100		Manitoba
Duncan					Keg River	0.070		Beausejour
Elko	0.169	Taylor	0.116		Lac la Biche	0.059		Boissevain
Fernie	0.103	Terrace	0.175		Lacombe	0.000		Brandon
Fort Nelson	0.177	Tofino			Lethbridge	0.126		Churchill
Fort St. John	0.120	Trail	0.108		Manning	0.077		Dauphin
Glacier	0.155	Ucluelet			Medicine Hat	0.077		Fl in Flon
Gold River		Vancouver Region			Peace River	0.086		Gimli
Golden	0.189	Burnaby (Simon Fraser Univ.)	0.554		Pincher Creek	0.207		Is land Lake
	0.189	Cloverdale	0.579		Ranfurly	0.064		Lac du Bonnet
Grand Forks	0.117	Haney	0.513		Red Deer	0.101	_	Lynn Lake
Greenwood	0.122	Ladner	0.662			0.101		Morden
Hope	0.308	Langley	0.559		Rocky Mountain House			Neepawa
Jordan River		New Westminster	0.574		Slave Lake	0.072		Pine Falls
Kamloops	0.132	North Vancouver	0.569	R	Stettler	0.086	М	Portage la Prairie
Kaslo	0.116	Richmond	0.631	$ \rangle$	Stony Plain	0.090		Rivers
Kelowna	0.131	Surrey (88 Ave & 156 St.)	0.569		Suffield	0.084		Sandilands
Kimberley	0.134	Vancouver (City Hall)	0.605		Taber	0.106		Selkirk
Kitimat Plant	0.197	Vancouver (Granville & 41	0.615		Turner Valley	0.180		Split Lake
Kitimat Townsite	0.197	Ave)			Valleyview	0.100		Steinbach
Ladysmith		West Vancouver	0.585		Vegreville	0.066		Swan River
Langford		Vernon	0.118		Vermilion	0.059		The Pas
Li I looet	0.227	Victoria Region			Wagner	0.073		
Lytton	0.241	Victoria (Gonzales Hts)			Wainwright	0.062		Thompson
Mackenzie	0.137	Victoria (Mt Tolmie)			Wetaskiwin	0.089		Virden
Masset	0.738	Victoria			Whitecourt	0.098		Winnipeg
McBride	0.176	Whistler	0.351		Wimborne	0.101		Ontario
McLeod Lake	0.129	White Rock	0.621		Saskatchewan			Ailsa Craig
Merritt	0.187	Williams Lake	0.118		Assiniboia	0.112		Ajax
Mission City	0.487	Youbou			Battrum	0.069		Alexandria
Montrose	0.108	Alberta			Biggar	0.060		Alliston
Nakusp	0.111	Athabasca	0.067		Broadview	0.077		Almonte
Nanaimo	0.769	Banff	0.202		Dafoe	0.064		Armstrong
Nelson	0.123	Barrhead	0.087		Dundurn	0.063		Arnprior
Ocean Falls	0.219	Beaverlodge	0.120		Estevan	0.105		Atikokan

* $S_{a,ICF}$ is calculated by Tacoma Engineers to simplify the design tables, for more information please see note 1.12 in design limitation section. Note: A professional engineer must design the ICF walls for locations where the $S_{a,ICF}$ is not provided.



The ICFMA Prescriptive ICF Design for Part 9 Structures in Canada Second Edition Sa,ICF 0.060 0.047 0.059 0.063 0.057 0.071 0.052 0.055 0.070 0.091 0.052 0.057 0.054 0.086 0.092 0.063 0.061 0.059 0.075 0.074 0.046 0.126 0.065

0.048 0.058 0.058 0.047 0.055 0.047 0.048 0.048 0.049 0.047 0.049 0.055 0.049 0.050 0.059 0.047 0.048 0.047 0.047 0.055 0.049 0.047 0.065 0.047

0.109 0.165 0.295 0.135 0.239 0.055 0.245 0.055 0.064

	Province and Location	S _{a,ICF}		Prov
	Ontario	0.145		Fort Fort
	Aurora Bancroft	0.145		Gana
	Barrie	0.181		
	Barriefield	0.130		Gera
	Beaverton	0.103		Glen Gode
	Belleville	0.176		
	Belmont	0.119		Gore
	Kitchenuhmay-koosib (Big Trout Lake)	0.049		Grah Grav
	CFB Borden	0.135		Airpo Grim
	Bracebridge	0.151		Guel
	Bradford	0.141		Guth
	Brampton	0.148		Haile
	Brantford	0.138		Hald
	Brighton	0.172		
	Brockville	0.226		Hald
	Burk's Falls	0.164	\sim	Halib
	Burlington	0.166		Halto Ham
	Cambridge	0.135		
	Campbellford	0.169		Hand
	Cannington	0.149		Hast
	Carleton Place	0.234		Haw
	Cavan	0.158		Hear
	Centralia	0.109		Hone
	Chapleau	0.082		Horn
	Chatham	0.110		Hunt
	Chesley	0.113		Inge
	Cl inton	0.106		Iroqu
	Coboconk	0.155	\square	Jellic
	Cobourg	0.168		Карь
	Cochrane	0.138		Kem
	Colborne	0.171		Kend
	Collingwood	0.129		Ki I la
	Cornwall	0.293		Kinca
	Corunna	0.098		King
	Deep River	0.241		Kinm
	Deseronto	0.180		Kirkla
	Dorchester	0.119		Kitch
	Dorion	0.051		Lake
/	Dresden	0.107	\rightarrow	Lans
	Dryden	0.059		Lean
	Dundalk	0.125		Linds
	Dunnville	0.158		Lion
	Durham	0.117		Listo
	Dutton	0.115		Lond
	Earlton	0.163		Luca
	Edison	0.057		Maitl
	El I iot Lake	0.093		Mark Mark
	Elmvale	0.136		Marti
	Embro	0.121		Math
	Englehart	0.159		Matta
	Espanola	0.110		
	Exeter	0.109		Midla Milto
	Fenelon Falls	0.154		
	Fergus	0.129		Milve
	Forest	0.103		Mind
	Fort Erie	0.177		Miss
			-	Miss

	•
Province and Location	Sa,ICF
Fort Erie (Ridgeway)	0.175
Fort Frances	0.052
Gananoque	0.199
Geraldton	0.053
Glencoe	0.111
Goderich	0.103
Gore Bay	0.094
Graham	0.057
Gravenhurst (Muskoka	0.148
Airport)	0.474
Grimsby	0.174
Guelph	0.134
Guthrie	0.141
Haileybury	0.176
Haldimand (Caledonia)	0.153
Haldimand (Hagersville)	0.143
Haliburton	0.168
Halton Hills (Georgetown)	0.143
Hamilton	0.164
Hanover	0.114
Hastings	0.167
Hawkesbury	0.282
Hearst	0.074
Honey Harbour	0.139
Hornepayne	0.066
Huntsville	0.159
Ingersoll	0.122
Iroquois Falls	0.138
Jellicoe	0.053
Kapuskasing	0.097
Kemptville	0.257
Kenora	0.053
Ki I laloe	0.217
Kincardine	0.103
Kingston	0.189
Kinmount	0.159
Kirkland Lake	0.148
Kitchener	0.148
Lakefield	0.123
Lansdowne House	0.052
Leamington	0.109
Lindsay	0.154
Lion's Head	
Listowel	0.112
London	0.116
Lucan	0.110
Maitland	0.231
Markdale	0.121
Markham	0.121
Martin	0.058
Matheson	0.038
Mattawa	0.130
Midland Milton	0.137 0.151
Milverton	0.117
Minden	0.161
Mississauga	0.159
Mississauga (Lester B.	0.154

Province and Location	S _{a,ICF}
Pearson Int'l A)	
Mississauga (Port Credit)	0.165
Mitchell	0.113
Moosonee	0.078
Morrisburg	0.281
Mount Forest	0.119
Nakina	0.054
Nanticoke (Ja rvis)	0.138
Nanticoke (Port Dover)	0.134
Napanee	0.182
New Liskeard	0.173
Newcastle	0.165
Newcastle (Bowmanville)	0.165
Newmarket	0.144
Niagara Falls	0.181
North Bay	0.190
Norwood	0.166
Oakville	0.167
Orangeville	0.132
Orillia	0.144
Oshawa	0.144
Ottawa (City Hall)	0.265
Ottawa (Barrhaven)	0.203
Ottawa (Kanata)	0.254
Ottawa (M-C Int'l Airport)	0.266
Ottawa (Orleans)	0.272
Owen Sound	0.116
Pagwa River	0.061
Paris	0.134
Parkhill	0.107
Parry Sound	0.142
Pelham (Fonthill)	0.176
Pembroke	0.241
Penetanguishene	0.136
Perth	0.217
Petawawa	0.239
Peterborough	0.160
Petrolia	0.103
Pickering (Dunbarton)	0.166 0.175
Picton Plattsville	0.175
	0.120
Point Alexander	
Port Burwell	0.125
Port Colborne	0.173
Port Elgin	0.107
Port Hope	0.167
Port Perry	0.153
Port Stanley	0.119
Prescott	0.246
Princeton	0.129
Raith	0.055
ricit/1	0.100
Rayside-Balfour	0.120
Rayside-Balfour (Chelmsford)	
Rayside-Balfour (Chelmsford) Red Lake	0.057
Rayside-Balfour (Chelmsford) Red Lake Renfrew	0.057
Rayside-Balfour (Chelmsford) Red Lake Renfrew Richmond Hill	0.057 0.238 0.150
Rayside-Balfour (Chelmsford) Red Lake Renfrew	0.126 0.057 0.238 0.150 0.277 0.098

Province and Location	Sa,ICF
Sault Ste. Marie	0.071
Schreiber	0.052
Seaforth	0.109
Shelburne	0.129
Simcoe	0.133
Sioux Lookout	0.060
Smiths Falls	0.225
Smithville	0.172
Smooth Rock Falls	0.127
South River	0.171
Southampton	0.108
St. Catharines	0.179
St. Mary's	0.115
St. Thomas	0.118
Stirling	0.173
Stratford	0.118
Strathroy Sturggon Follo	0.110
Sturgeon Falls	0.169
Sudbury	
Sundridge Tavistock	0.168
Temagami	0.121
Thamesford	0.103
Thedford	0.113
Thunder Bay	0.051
Ti I I sonburg	0.125
Timmins	0.118
Timmins (Porcupine)	0.124
Etobicoke	0.155
North York	0.157
Scarborough	0.164
Toronto (City Hall)	0.168
Trenton	0.174
Trout Creek	0.176
Uxbridge	0.150
Vaughan (Woodbridge)	0.149
Vittoria	0.132
Walkerton	0.112
Wallaceburg	0.104
Waterloo	0.127
Watford	0.106
Wawa	0.066
Welland	0.175
West Lorne	0.115
Whitby	0.165
Whitby (Brooklin)	0.159
White River	0.063
Wiarton	0.113
Windsor	0.100
Wingham	0.109
Woodstock	0.124
Wyoming	0.102
Quebec	1
Acton-Vale	0.245
Alma	0.358
Amos	0.143

* Sauce is calculated by Tacoma Engineers to simplify the design tables, for more information please see note 1.12 in design limitation section. Note: A professional engineer must design the ICF walls for locations where the Sauce is not provided.



Province a	Ind Location	S _{a,ICF}
Aulmac	Quebec	0.050
Aylmer		0.259
Baie-Come		0.253
Baie-Saint-	Paul	0.687
Beauport		0.306
Bedford		0.262
Beloeil		0.283
Brome		0.237
Brossard		0.295
Buckinghar	n	0.273
Campbell's	Bay	0.248
Chambly		0.288
Coaticook		0.226
Contrecoeu	ır	0.277
Cowansville	Э	0.246
Deux-Mont	agnes	0.298
Dolbeau		0.275
Drummond	ville	0.251
Farnham		0.263
Fort-Coulor	nge	0.247
Gagnon		0.112
Gas pe		0.163
Gatineau		0.266
Gracefield		0.257
Granby		0.246
Harrington-	Harbour	0.090
Havre-St-P		0.164
Hemmingfo		0.290
Hull	iu -	0.290
berville		0.284
nukjuak		0.063
Joliette		0.275
Kuujjuaq		0.089
Kuujjuarapi	k	0.051
a Pocatie	e	0.651
La-Malbaie		0.754
_a-Tuque		0.240
Lac-Megan	tic	0.228
Lachute		0.284
Lennoxville	U V I	0.228
Lery		0.298
Loretteville		0.302
Louiseville		0.264
Magog		0.229
Malartic		0.160
Maniwaki		0.256
Masson		0.275
Matane		0.257
Mont-Joli		0.270
Mont-Lauri	ər	0.254
Montmagn		0.338
	/ Iontreal Region	
Beacons fie		0.299
Dorval		0.299
Laval		0.297
Lavai Montreal (C	City Hall)	0.297
	ny nail)	0.297
Nontreal-E	*	0.295

	S 105
Province and Location	Sa,ICF
Montreal-Nord	0.296
Outremont	0.297
Pierrefonds	0.298
St-Lambert	0.295
St-Laurent	0.298
Ste-Anne-de-Bellevue	0.299
Verdun	0.297
Nicolet (Gentilly)	0.269
Nitchequon	0.075
Noranda Perce	0.148
	0.156
Pincourt	0.299
Ples s i svil le	0.253
Port-Cartier	0.212
Puvirnituq	0.086
Quebec City Region	0.000
	0.298
Levis	0.301
Quebec	0.301
Si I lery	0.298
Ste-Foy	0.299
Richmond	0.236
Rimouski	0.277
Riviere-du-Loup	0.483
Roberval	0.312
Rock-Island	0.227
Rosemere	0.296
Rouyn	0.149
Saguenay	0.369
Saguenay (Bagotville)	0.378
Saguenay (Jonquiere)	0.372
Saguenay (Kenogami)	0.372
Saint-Eustache	0.297
Saint-Jean-sur-Richelieu	0.285
Salaberry-de-Valleyfield	0.299
Schefferville	0.060
Senneterre	0.155
Sept-Iles	0.199
Shawinigan	0.258
Shawville	0.247
Sherbrooke	0.229
Sorel	0.269
St-Felicien	0.280
St-Georges-de-Cacouna	0.401
St-Hubert	0.294
Saint-Hubert-de-Riviere-du-	0.307
Loup	2.007
St-Hyacinthe	0.263
St-JerOme	0.287
St-Jovite	0.265
St-Lazare-Hudson	0.298
St-Nicolas	0.292
Ste-Agathe-des-Monts	0.267
Sutton	0.238
Tadoussac	0.354
Temiscaming	0.334
Terrebonne	0.295
	_

Decision and Location	Seler
Province and Location	S _{a,ICF}
Thetford Mines	0.243
Thurso	0.275
Trois-Rivieres	0.267
Val-d'Or	0.164
Varennes	0.292
Vercheres	0.286
Victoriaville	0.247
Vi I le-Marie	0.191
Wakefield	0.258
Waterloo	0.237
Windsor	0.232
New Brunswick	
Alma	0.169
Bathurst	0.200
Campbellton	0.216
Edmundston	0.252
Fredericton	0.207
Gagetown	0.197
Grand Falls	0.239
Miramichi	0.196
Moncton	0.130
Oromocto	0.204
Sackville	0.162
Saint Andrews	0.359
Saint George	0.270
Saint John	
- V /	0.190
Shippagan St. Stanban	0.171
St. Stephen	
Woodstock Nova Scotia	0.219
Amherst	0.157
Antigonish	0.140
Bridgewater	0.148
Canso	
	0.152
Debert	0.145
Digby	0.174
Greenwood (CFB)	0.160
Dartmouth	0.143
Halifax	0.143
Kentville	0.154
Liverpool	0.147
Lockeport	0.147
Louisburg	0.161
Lunenburg	0.147
New Glasgow	0.141
North Sydney	0.151
Pictou	0.141
Port Hawkesbury	0.145
Springhill	0.152
Stewiacke	0.144
Sydney	0.151
Tatamagouche	0.144
Truro	0.144
Wolfville	0.153
Yarmouth	0.160

Province and Location	Sa,ICF
Prince Edward Island	4
Charlottetown	0.143
Souris	0.136
Summerside	0.155
Tignish	0.158
Newfoundland	
Argentia	0.151
Bonavista	0.123
Buchans	0.115
Cape Harrison	0.149
Cape Race	0.161
Channel-Port aux Basques	0.133
Corner Brook	0.110
Gander	0.117
Grand Bank	0.167
Grand Falls	0.116
Happy Valley - Goose Bay	0.082
Labrador City	0.082
St. Anthony	0.093
St. John's	0.138
Stephenville	0.115
Twin Falls	0.073
Wabana	0.138
Wabush	0.083

E FORMS

* Sauce is calculated by Tacoma Engineers to simplify the design tables, for more information please see note 1.12 in design limitation section. Note: A professional engineer must design the ICF walls for locations where the Sauce is not provided.



			Design Temp	mperature		Dearee-		One			Ann.	Driv- ing Rain	Snow Load, kPa, 1/50	ad, kPa, 0	Hourly Wind Pressures. kPa	Wind S. kPa
Province and Location	Elev., m	January	Jary	July 2.5%	2.5%	Days	15 Min. Rain,	Day Rain,	Ann. Rain,	Moist.	Tot. Pnn	Wind		,		
		2.5% °C	1% °C	Dry °C	Wet °C	18°C	шш	1/50, mm	шш		i E	sures, Pa, 1/5	ഗ്	പ്	1/10	1/50
British Columbia																
100 Mile House	1040	-30	-32	29	17	5030	10	48	300	0.4	425	60	2.6	0.3	0.27	0.35
Abbotsford	70	စု	-10	29	20	2860	12	112	1525	1.6	1600	160	2.0	0.3	0.33	0.44
Agassiz	15	6-	-11	31	21	2750	8	128	1650	1.7	1700	160	2.4	0.7	0.35	0.47
Alberni	12	-5	89	31	19	3100	10	144	1900	2.0	2000	220	2.6	0.4	0.24	0.32
Ashcroft	305	-24	-27	34	20	3700	10	37	250	0.3	300	80	1.7	0.1	0.29	0.38
Bamfield	20	42	4-	23	17	3080	13	170	2870	3.0	2890	280	1.0	0.4	0.38	0.50
Beatton River	840	-37	-39	26	18	6300	15	64	330	0.5	450	80	3.3	0.1	0.23	0.30
Bella Bella	25	-5	-7	23	18	3180	13	145	2715	2.8	2800	350	2.6	0.8	0.40	0.50
Bella Coola	40	-14	-18	27	19	3560	10	140	1500	1.9	1700	350	4.5	0.8	0.29	0.39
Burns Lake	755	-31	-34	26	17	5450	12	54	300	0.6	450	100	3.4	0.2	0.29	0.39
Cache Creek	455	-24	-27	34	20	3700	10	37	250	0.3	300	80	1.7	0.2	0.29	0.39
Campbell River	20	-5	-7	26	18	3000	10	116	1500	1.6	1600	260	2.8	0.4	0.41	0.48
Carmi	845	-24	-26	31	19	4750	10	64	325	0.4	550	60	3.6	0.2	0.29	0.38
Castlegar	430	-18	-20	32	20	3580	10	54	560	0.6	700	60	4.2	0.1	0.26	0.34
Chetwynd	605	-35	-38	27	18	5500	15	70	400	0.6	625	60	2.4	0.2	0.30	0.40
Chilliwack	10	6-	-1	30	20	2780	8	139	1625	1.7	1700	160	2.2	0.3	0.35	0.47
Comox	15	-7	<u>و</u>	27	18	2930	10	106	1175	1.3	1200	260	2.4	0.4	0.41	0.48
Courtenay	10	-7	6-	28	18	2930	10	106	1400	1.5	1450	260	2.4	0.4	0.41	0.48
Cranbrook	910	-26	-28	32	18	4400	12	59	275	0.3	400	100	3.0	0.2	0.25	0.33
Crescent Valley	585	-18	-20	31	20	3650	10	54	675	0.8	850	80	4.2	0.1	0.25	0.33
Crofton	5	-4	မှ	28	19	2880	8	86	925	1.1	950	160	1.8	0.2	0.32	0.40
Dawson Creek	665	-38	-40	27	18	5900	18	75	325	0.5	475	100	2.5	0.2	0.30	0.40
Dease Lake	800	-37	-40	24	15	6730	10	45	265	0.6	425	50	2.8	0.1	0.23	0.30
Dog Creek	450	-28	<u>-</u> 30	29	17	4800	10	48	275	0.4	375	100	1.8	0.2	0.27	0.35
Duncan	10	မှ	ထု	28	19	2980	8	103	1000	1.1	1050	180	1.8	0.4	0.31	0.39
Elko	1065	-28	-31	30	19	4600	13	64	440	0.5	650	100	3.6	0.2	0.30	0.40

 Table C-2

 Climatic Design Data for Selected Locations in Canada

National Building Code of Canada 2020 Volume 1, Division B



Appendix B: Climatic Design Data

(Continue
5-2 C-2
Table

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			Design Temperature	nperature		Degree-	15 Min	One	Ann		Ann.	Driv- ing Rain	Snow Load, kPa, 1/50	ad, kPa, 0	Hourly Wind Pressures, kPa	Wind es, kPa
Province and Location	Elev., m	January	lary	July 2	2.5%	Days Below	Bain,	Rain,	Rain,	Moist. Index	Ppn.,	Wind Pres-				
		2.5% °C	1% °C	Dry °C	Wet °C	18°C	E E	1/50, mm	E		uu	sures, Pa, 1/5	ဟဳ	പ്	1/10	1/50
Fernie	1010	-27	-30	30	19	4750	13	118	860	6.0	1175	100	4.5	0.2	0:30	0.40
Fort Nelson	465	-39	-42	28	18	6710	15	70	325	0.6	450	80	2.4	0.1	0.23	0.30
Fort St. John	685	-35	-37	26	18	5750	15	72	320	0.5	475	100	2.8	0.1	0.29	0.39
Glacier	1145	-27	-30	27	17	5800	10	70	625	0.8	1500	80	9.4	0.2	0.24	0.32
Golden	290	-27	-30	30	17	4750	10	55	325	0.6	500	100	3.7	0.2	0.26	0.35
Gold River	120	ø	÷	31	18	3230	13	200	2730	2.8	2850	250	2.8	0.6	0.24	0.32
Grand Forks	565	-19	-22	34	20	3820	10	48	390	0.5	475	80	2.8	0.1	0.30	0.40
Greenwood	745	-20	-23	34	20	4100	10	64	430	0.5	550	80	3.6	0.1	0:30	0.40
Hope	40	-13	-15	31	20	2820	80	139	1825	1.9	1900	140	2.8	0.7	0.47	0.63
Jordan River	20	Ţ	က္	22	17	2900	12	170	2300	2.4	2370	250	1.2	0.4	0.44	0.55
Kamloops	355	-23	-25	34	20	3450	13	42	225	0.2	275	80	1.8	0.2	0:30	0.40
Kaslo	545	-17	-20	30	19	3830	10	55	660	0.8	850	80	2.8	0.1	0.23	0.31
Kelowna	350	-17	-20	33	20	3400	12	43	260	0.3	325	80	1.7	0.1	0:30	0.40
Kimberley	1090	-25	-27	31	18	4650	12	59	350	0.4	500	100	3.0	0.2	0.25	0.33
Kitimat Plant	15	-16	-18	25	16	3750	13	193	2100	2.2	2500	220	5.5	0.8	0.36	0.48
Kitimat Townsite	130	-16	-18	24	16	3900	13	171	1900	2.0	2300	220	6.5	0.8	0.36	0.48
Ladysmith	80	-7	6-	27	19	2920	80	97	1075	1.2	1160	180	2.4	0.4	0.32	0.40
Langford	80	4-	9-	27	19	2750	6	135	1095	1.2	1125	220	1.8	0.3	0.32	0.40
Lillooet	245	-21	-23	34	20	3400	10	70	300	0.3	350	100	2.1	0.1	0.33	0.44
Lytton	325	-17	-20	35	20	3300	10	70	330	0.3	425	80	2.8	0.3	0.32	0.43
Mackenzie	765	-34	-38	27	17	5550	10	50	350	0.5	650	60	5.1	0.2	0.25	0.32
Masset	10	-2	-7	17	15	3700	13	80	1350	1.5	1400	400	1.8	0.4	0.50	0.61
McBride	730	-29	-32	29	18	4980	13	54	475	0.6	650	60	4.3	0.2	0.27	0.35
McLeod Lake	695	-35	-37	27	17	5450	10	50	350	0.5	650	60	4.1	0.2	0.25	0.32
Merritt	570	-24	-27	34	20	3900	80	54	240	0.2	310	80	1.8	0.3	0.33	0.44
Mission City	45	6-	÷	30	20	2850	13	123	1650	1.7	1700	160	2.4	0.3	0.32	0.43
Montrose	615	-16	-18	32	20	3600	10	54	480	0.6	700	60	4.1	0.1	0.26	0.35
Nakusp	445	-20	-22	31	20	3560	10	60	650	0.8	850	60	4.4	0.1	0.25	0.33

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Table C-2 (Continued)

Table C-2 (Continued)
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			Design Temperature	nperature		Degree-	15 Min.	One Dav	Ann.		Ann.	Driv- ing Rain	Snow Load, kPa, 1/50	ad, kPa, 0	Hourly Wind Pressures, kPa	Wind es, kPa
Province and Location	Elev., m	January	lary	July 2.5%	5%	Days Below	Rain,	Rain,	Rain,	Moist. Index	Pon.	Wind Pres-				
		2.5% °C	1% °C	Dry °C	Wet °C	18°C	mm	1/50, mm	E		Ē	sures, Pa, 1/5	ഗ്	പ്	1/10	1/50
Nanaimo	15	<u>9</u>	ø	27	19	2920	10	91	1000		1050	200	2.1	0.4	0.38	0.48
Nelson	600	-18	-20	31	20	3500	10	59	460	0.6	700	60	4.2	0.1	0.25	0.33
Ocean Falls	10	-10	-12	23	17	3400	13	260	4150	4.2	4300	350	3.9	0.8	0.44	0.59
Osoyoos	285	-14	-17	35	21	3100	10	48	275	0.3	310	60	1.1	0.1	0.30	0.40
Parksville	40	9-	œ	26	19	2990	10	91	1200	1.3	1250	200	2.0	0.4	0.40	0.48
Penticton	350	-15	-17	33	20	3350	10	48	275	0.3	300	60	1.3	0.1	0.30	0.40
Port Alberni	15	μ	œ	31	19	3100	10	161	1900	2.0	2000	240	2.6	0.4	0.24	0.32
Port Alice	25	ကု	9-	26	17	3010	13	200	3300	3.4	3340	220	1.1	0.4	0.24	0.32
Port Hardy	5	- 2	-7	20	16	3440	13	150	1775	1.9	1850	220	0.9	0.4	0.36	0.48
Port McNeill	5	- 2	-7	22	17	3410	13	128	1750	1.9	1850	260	1.1	0.4	0.36	0.48
Port Renfrew	20	ကု	-2	24	17	2900	13	200	3600	3.6	3675	270	1.1	0.4	0.42	0.52
Powell River	10	-7	ရ	26	18	3100	10	80	1150	1.3	1200	220	1.7	0.4	0.39	0.48
Prince George	580	-32	-36	28	18	4720	15	54	425	0.6	600	80	3.4	0.2	0.28	0.37
Prince Rupert	20	-13	-15	19	15	3900	13	160	2750	2.8	2900	240	1.9	0.4	0.43	0.54
Princeton	655	-24	-29	33	19	4250	10	43	235	0.4	350	80	2.9	0.6	0.27	0.36
Qualicum Beach	10	2-	ၐ	27	19	2990	10	96	1200	1.3	1250	200	2.0	0.4	0.41	0.48
Queen Charlotte City	35	Ģ	œ	21	16	3520	13	110	1300	1.5	1350	360	1.8	0.4	0.50	0.61
Quesnel	475	-31	-33	30	17	4650	10	50	380	0.5	525	80	3.0	0.1	0.24	0.31
Revelstoke	440	-20	-23	31	19	4000	13	55	625	0.8	950	80	7.2	0.1	0.24	0.32
Salmon Arm	425	-19	-24	33	21	3650	13	48	400	0.5	525	80	3.5	0.1	0.29	0.39
Sandspit	5	4-	9-	18	15	3450	13	86	1300	1.5	1350	500	1.8	0.4	0.59	0.72
Sechelt	25	Ģ	φ	27	20	2680	10	75	1140	1.3	1200	160	1.8	0.4	0.38	0.48
Sidney	10	4-	9	26	18	2850	80	96	825	1.0	850	160	1.1	0.2	0.34	0.42
Smithers	500	-29	-31	26	17	5040	13	60	325	0.6	500	120	3.5	0.2	0.30	0.40
Smith River	660	-45	-47	26	17	7100	10	64	300	0.6	500	40	2.8	0.1	0.24	0:30
Sooke	20	Ţ	က္	21	16	2900	6	130	1250	1.4	1280	220	1.3	0.3	0.38	0.48
Squamish	5	<u>م</u>	1	29	20	2950	10	140	2050	2.1	2200	160	2.8	0.7	0.38	0.50
Stewart	10	-17	-20	25	16	4350	13	135	1300	1.5	1900	180	7.9	0.8	0.27	0.36

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Table C-2 (Continued)

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Wind ss, kPa		1/50	0.34	0.40	0.36	0.68	0.35	0.68		0.47	0.44	0.44	0.46	0.44	0.44	0.45	0.45	0.44	0.45	0.45	0.48	0.40		0.57	0.57
Hourly Wind Pressures, kPa		1/10	0.26	0.30	0.27	0.51	0.26	0.51		0.35	0.33	0.33	0.37	0.33	0.33	0.34	0.36	0.33	0.34	0.36	0.36	0.30		0.46	0.46
Snow Load, kPa, 1/50		Ň	0.4	0.1	0.6	0.4	0.1	0.4		0.7	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.1		0.2	0.3
Snow Lo		လိ	1.1	2.3	5.4	1.1	4.1	1.0		2.9	2.5	2.4	1.3	2.4	2.3	3.0	1.5	2.4	1.8	1.9	2.4	2.2		1.1	1.5
Driv- ing Rain	Wind Pres-	sures, Pa, 1/5	300	100	200	300	60	280		160	160	160	160	160	160	160	160	160	160	160	160	80		220	220
Ann.	Tot. Ppn	u u u	3900	450	1150	3300	700	3200		1950	1400	1950	1050	1500	1575	2100	1100	1575	1400	1400	1700	400		825	625
	Moist. Index		3.9	0.5	1.1	3.4	0.7	3.3		1.9	1.4	1.9	1.1	1.5	1.6	2.1	1.2	1.6	1.4	1.4	1.7	0.4		1.0	0.8
Δnn	Rain,	ШШ	3845	320	950	3275	580	3175		1850	1350	1800	1000	1450	1500	2000	1070	1500	1325	1325	1600	350		800	600
One	Day Rain,	1/50, mm	200	72	120	193	54	180		150	112	134	80	112	134	150	86	128	112	107	150	43		91	91
15 Min	Bain,	ШШ	13	15	13	13	10	13		10	10	10	10	10	10	12	10	10	10	10	12	13		8	6
Degree-	Days Below	18°C	3150	5720	4150	3150	3600	3120		3100	2700	2840	2600	2700	2800	2910	2800	2750	2825	2925	2950	3600		2650	2700
	2.5%	Wet °C	18	18	17	16	20	16		17	20	20	19	20	19	19	19	20	20	20	19	20		17	17
sign Tempera	July 2.5%	Dry °C	26	26	27	20	33	18		25	29	30	27	29	29	26	27	29	28	28	28	33		24	24
	lary	1% °C	ę	-37	-21	4-	-17	4		6-	-10	-11	ø	-10	-10	6-	6-	-10	6- -	φ	6-	-23		9	9
	January	2.5% °C	-4	-35	-19	42	-14	42		-7	8 <u>-</u>	<u>و</u>	9	8-	8 <u>-</u>	-7	-7	ထု	-7	မု	-7	-20		-4	4-
	Elev., m		25	515	60	10	440	5		330	10	10	ო	15	10	135	5	06	40	120	45	405		10	65
	Province and Location		Tahsis	Taylor	Terrace	Tofino	Trail	Ucluelet	Vancouver Region	Burnaby (Simon Fraser Univ.)	Cloverdale	Haney	Ladner	Langley	New Westminster	North Vancouver	Richmond	Surrey (88 Ave & 156 St.)	Vancouver (City Hall)	Vancouver (Granville St. & 41st Ave)	West Vancouver	Vernon	Victoria Region	Victoria	Victoria (Gonzales Hts)

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(Continued)	
5-2 C	
Table	

January July 2.5%
2.5% °C 1% °C Dry °C Wet °C
-6 -8 24 16
-17 -20 30 20
-5 -7 25 20
-30 -33 29 17
-5 -8 31 19
-38
-31 -33 27 16
-33 -36 27 19
-36 -39 28 18
-32 -34 32 20
-30 -32 28 17
-33 -36 27 19
-33 -35 29 1
-31 -33 28
-29 -32 30
-30 -32 30
-35 -38 28
-31 -34 29
-32 -34 30
-29 -32 29
-32 -34 30
-30 -33 28
-34 -37 27
-41 -43 28
-37 -40 27
-30 -32 31

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	Table C-2 (Continu
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Hourly Wind Pressures, kPa		1/50	0.35	0.43	0.30	0.43	0.30	0.36	0.65	0.46	0.32	0.30	0.36	0.40	0.66	0.30	0.48	0.32	0.96	0.36	0.40	0.36	0.37	0.36	0.45	0.49	0.63	0.65	0.42	0.36
Hourl		1/10	0.28	0.34	0.23	0.32	0.23	0.29	0.52	0.37	0.26	0.23	0.27	0.32	0.53	0.23	0.38	0.24	0.77	0.29	0.32	0.29	0.28	0.29	0.36	0.39	0.50	0.52	0.34	0.29
ad, kPa, 0		Š	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Snow Load, kPa, 1/50		လိ	1.5	1.6	2.1	2.2	2.4	1.7	1.3	2.6	3.0	2.4	1.6	1.9	1.2	2.3	1.1	2.2	1.5	1.9	1.8	1.9	1.9	1.9	1.7	1.3	1.2	1.4	2.3	1.9
Driv- ing Rain	Wind Pres-	sures, Pa, 1/5	60	140	60	120	60	140	200	100	80	80	80	180	200	80	220	100	140	100	200	120	80	200	120	220	200	180	80	100
Ann.	Pon.		460	425	380	450	425	425	425	500	400	450	475	450	390	390	325	390	575	420	475	550	500	450	540	325	370	600	490	410
	Moist. Index	50	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.5	0.6	0.5	0.3	0.5	0.3	0.5	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.2	0.3	0.5	0.5	0.5
Ann.	Rain,	E	340	350	250	315	275	325	300	375	300	310	375	350	250	280	250	300	325	325	375	425	380	370	410	230	260	350	360	325
One Dav	Rain,	1/50, mm	86	86	70	86	70	81	97	81	76	70	86	92	97	76	92	81	103	92	97	92	81	97	97	86	92	97	86	86
15 Min.	Rain,	ШШ	13	20	13	20	13	20	18	13	12	13	15	23	20	13	23	15	16	18	20	20	15	20	23	20	20	20	18	18
Degree-	Days Below	18°C	6250	5420	6700	5790	6750	5640	4900	5500	5300	6520	6100	5500	4500	6300	4540	6050	4740	5700	5550	5640	5850	5300	5300	4770	4580	5220	5600	5780
	2.5%	Wet °C	19	19	18	18	18	19	17	17	17	18	19	19	19	18	19	18	18	19	19	18	19	19	19	20	19	17	18	19
nperature	July 2.5%	Dry °C	28	28	28	27	28	30	28	27	28	28	28	28	31	27	32	27	29	29	28	27	26	30	28	32	31	28	27	29
Design Temperature	ary	1% °C	-40	-35	-43	-39	-43	-36	-32	-38	-34	-42	-38	-36	-32	-41	-34	-40	-32	-37	-35	-34	-38	-34	-35	-34	-33	-32	-40	-37
	January	2.5% °C	-38	-32	-41	-36	-41	-33	-31	-34	-31	-40	-35	-33	-30	-39	-31	-37	-29	-34	-32	-32	-35	-32	-32	-31	-31	-31	-37	-34
	Elev, m		255	610	270	650	335	615	1040	066	1060	420	560	855	910	465	705	330	1130	670	855	985	590	820	710	755	815	1215	700	635
	Province and Location		Fort McMurray	Fort Saskatchewan	Fort Vermilion	Grande Prairie	Habay	Hardisty	High River	Hinton	Jasper	Keg River	Lac La Biche	Lacombe	Lethbridge	Manning	Medicine Hat	Peace River	Pincher Creek	Ranfurly	Red Deer	Rocky Mountain House	Slave Lake	Stettler	Stony Plain	Suffield	Taber	Turner Valley	Valleyview	Vegreville

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S S G

(Continued)
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Table

			Design Tem	nperature		Degree-	15 Min	One	Δηη		Ann.	Driv- ing Rain	Snow Load, kPa, 1/50	ad, kPa, 50	Hourly Wind Pressures, kPa	Wind es, kPa
Province and Location	Elev., m	Jan	January	July 2	2.5%	Days Below	Rain,	Rain,	Rain,	Moist. Index	Tot. Pon.	Wind Pres-				
		2.5% °C	1% °C	Dry °C	Wet °C	18°C	шш	1/50, mm	ШШ		mm	sures, Pa, 1/5	ഗ്	ഗ്	1/10	1/50
Vermilion	580	-35	-38	29	19	5740	18	86	310	0.5	410	100	1.7	0.1	0.29	0.36
Wagner	585	-35	-38	26	19	5850	15	81	380	0.6	500	80	1.9	0.1	0.28	0.37
Wainwright	675	-33	-36	29	19	5700	20	81	310	0.5	425	120	2.0	0.1	0.29	0.36
Wetaskiwin	760	-33	-35	29	19	5500	23	86	400	0.6	500	160	2.0	0.1	0.31	0 <u>.</u> 39
Whitecourt	069	-33	-36	27	19	5650	20	97	440	0.6	550	80	1.9	0.1	0.28	0.37
Wimborne	975	-31	-34	29	18	5310	23	92	325	0.5	450	200	1.6	0.1	0.32	0.40
Saskatchewan																
Assiniboia	740	-32	-34	31	21	5180	25	81	290	0.3	375	240	1.6	0.1	0.39	0.49
Battrum	700	-32	-34	32	20	5080	23	81	270	0.4	350	260	1.2	0.1	0.43	0.54
Biggar	645	-34	-36	30	20	5720	23	81	270	0.4	350	180	2.1	0.1	0.36	0.45
Broadview	600	-34	-35	30	21	5760	25	103	320	0.5	420	160	1.7	0.1	0.36	0.46
Dafoe	530	-35	-37	29	21	5860	20	92	300	0.5	380	140	1.7	0.1	0.29	0.37
Dundurn	525	-35	-37	30	21	5600	23	86	275	0.4	380	180	1.5	0.1	0.36	0.46
Estevan	565	-32	-34	32	22	5340	28	92	330	0.4	420	200	1.6	0.1	0.41	0.52
Hudson Bay	370	-36	-38	29	21	6280	20	81	340	0.6	450	80	2.0	0.1	0.29	0.37
Humboldt	565	-36	-38	28	21	6000	20	86	320	0.5	375	140	2.1	0.1	0.31	0.39
Island Falls	305	-39	-41	27	20	7100	18	76	370	0.6	510	80	2.1	0.1	0.26	0.35
Kamsack	455	-34	-37	29	22	6040	20	97	360	0.6	450	120	2.1	0.2	0.32	0.40
Kindersley	685	-33	-35	31	20	5550	23	81	260	0.4	325	200	1.4	0.1	0.36	0.46
Lloydminster	645	-34	-37	28	20	5880	18	81	310	0.5	430	120	2.0	0.1	0.32	0.40
Maple Creek	765	-31	-34	31	20	4780	25	81	275	0.3	380	220	1.2	0.1	0.36	0.45
Meadow Lake	480	-38	-40	28	20	6280	18	81	320	0.5	450	120	1.7	0.1	0:30	0.40
Melfort	455	-36	-38	28	21	6050	20	81	310	0.5	410	120	2.1	0.1	0.28	0.36
Melville	550	-34	-36	29	21	5880	23	97	340	0.5	410	160	1.7	0.1	0.32	0.40
Moose Jaw	545	-32	-34	31	21	5270	25	86	270	0.3	360	200	1.4	0.1	0.41	0.52
Nipawin	365	-37	-39	28	21	6300	20	76	340	0.6	450	100	2.0	0.1	0.30	0.38
North Battleford	545	-34	-36	29	20	5900	20	81	280	0.5	370	120	1.7	0.1	0.36	0.46
Prince Albert	435	-37	-40	28	21	6100	20	81	320	0.5	410	140	1.9	0.1	0:30	0.38

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			Design Temperature	nperature		Degree-	15 Min.	One Dav	Ann.		Ann.	Driv- ing Rain	Snow Load, 1/50	ad, kPa, 50	Hourly Wind Pressures, kPa	Wind es, kPa
Province and Location	Elev., m	January	lary	July 2.5%	.5%	Days Below	Rain,	Rain,	Rain,	Moist. Index	Pon.	Wind Pres-				
		2.5% °C	1% °C	Dry °C	Wet °C	18°C	шш	1/50, mm	E	2	Ē	sures, Pa, 1/5	တိ	Š	1/10	1/50
	645	-34	-36	30	22	5620	25	97	340	0.5	430	160	1.7	0.1	0.33	0.42
	575	-34	-36	31	21	5600	28	103	300	0.4	365	200	1.4	0.1	0.39	0.49
	595	-34	-36	31	20	5620	23	81	260	0.4	330	200	1.7	0.1	0.39	0.49
	500	-35	-37	30	21	5700	23	86	265	0.4	350	160	1.7	0.1	0.36	0.46
	645	-34	-36	30	20	5960	20	81	270	0.4	360	140	1.9	0.1	0.36	0.45
	545	-34	-36	30	22	5600	25	92	300	0.4	390	180	1.5	0.1	0.33	0.42
	750	-31	-34	31	20	5150	25	81	260	0.3	350	240	1.4	0.1	0.43	0.54
	265	-42	-44	26	19	7500	12	54	300	0.6	360	100	2.0	0.1	0.27	0.36
	575	- <u>3</u> 3	-35	31	23	5400	28	97	320	0.4	400	200	1.8	0.1	0.38	0.48
	510	-34	-37	29	21	6000	23	97	350	0.5	440	140	1.9	0.1	0.32	0.40
	245	-33	-35	29	23	5680	28	103	430	0.6	530	180	2.0	0.2	0.32	0.41
	510	-32	-34	30	23	5500	28	119	390	0.5	510	180	2.2	0.2	0.41	0.52
	395	-33	-35	30	22	5760	28	108	375	0.6	460	180	2.1	0.2	0.39	0.49
	10	-38	-40	25	18	8950	12	76	265	0.8	410	260	3.0	0.2	0.43	0.55
	295	-33	-35	30	22	5900	28	103	400	0.6	490	160	1.9	0.2	0.32	0.40
	300	-38	-40	27	20	6440	18	81	340	0.6	475	80	2.2	0.2	0.28	0.35
	220	-34	-36	29	23	5800	28	108	410	0.7	530	180	1.9	0.2	0.32	0.40
	240	-36	-38	27	20	0069	18	86	380	0.7	550	80	2.6	0.2	0.29	0.37
	260	-34	-36	29	23	5730	28	103	445	0.7	560	180	1.9	0.2	0.29	0.37
	350	-40	-42	27	19	7770	18	86	310	0.6	490	100	2.4	0.2	0.29	0.37
	300	-31	-33	30	24	5400	28	119	420	0.6	520	180	2.2	0.2	0.41	0.52
	365	-32	-34	29	23	5760	28	108	410	0.6	470	180	2.2	0.2	0.35	0.44
	220	-34	-36	28	23	5900	25	97	440	0.7	420	180	1.9	0.2	0.31	0.39
Portage la Prairie	260	-31	-33	30	23	5600	28	108	390	0.5	525	180	2.1	0.2	0.36	0.46
	465	-34	-36	29	23	5840	28	108	370	0.6	460	180	2.1	0.2	0.36	0.46
	365	-32	-34	29	23	5650	28	113	460	0.6	550	180	2.2	0.2	0.32	0.40
	225	-33	-35	29	23	5700	28	108	420	0.6	500	180	1.9	0.2	0.32	0.41

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-33 28 21 7100 18 -33 23 4210 26 25	-19 30 23 3840 25 -22 30 23 3840 25 -26 30 23 3820 23 -26 30 23 3820 23 -25 29 23 4600 25 -28 30 23 4600 26 -28 30 23 4620 23 -28 30 23 4620 26 -29 30 23 4620 26 -39 20 23 4680 23 -39 28 21 6500 23 -39 28 21 7100 18 -31 29 23 4210 28 -31 29 23 4210 28 -31 29 23 4740 28	-19 30 23 3840 25 -22 30 23 3840 25 -26 30 23 3820 23 -26 30 23 3820 23 -25 29 23 4600 26 -28 30 23 4600 26 -29 20 23 4600 26 -30 28 23 4600 26 -30 28 21 6500 23 -39 28 21 6500 23 -39 28 21 7100 18 -33 20 23 4210 26 -31 29 23 4210 26 -31 29 23 4740 26 -31 29 23 4740 26 -31 29 23 4740 26	-19 30 23 3840 25 -22 30 23 3840 25 -26 30 23 3820 23 -26 30 23 3820 23 -25 29 23 4600 25 -28 30 23 4600 26 -40 28 23 4600 26 -30 28 23 4600 26 -30 28 21 6500 26 -33 29 23 4680 23 -33 29 23 4680 23 -33 28 21 7100 18 -33 28 21 7100 18 -31 29 23 4740 26 -24 28 23 3390 23 -24 28 23 3390 23 -24 28 23 3390 26	-19 30 23 3840 25 -22 30 23 3840 25 -26 30 23 3820 23 -25 30 23 3820 23 -26 30 23 4600 25 -28 30 23 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4600 26 -39 28 21 6500 23 -39 28 21 7100 26 -39 28 21 7100 26 -39 28 21 7100 26 -31 29 23 4210 26 -26 29 23 4210 26 -26 29 23 4300 26 -27 28 23 23 23 -28 30 23 23 26 -29 23 3390 26 26 -28 29 23 23 23 26 <t< td=""><td>-19 30 23 3840 25 -22 30 23 3840 25 -26 30 23 3820 23 -25 30 23 3820 23 -26 30 23 4600 25 -28 30 23 4600 25 -40 28 23 4600 26 -35 29 23 4600 26 -30 28 21 6500 25 -33 23 23 4680 23 -39 28 21 6500 23 -31 29 23 4210 26 -31 29 23 4740 28 -26 30 23 3390 23 -27 28 23 2390 26 -28 29 23 23 26 -28 29 23 23</td></t<></td>	-19 30 23 3840 25 -22 30 23 3840 25 -26 30 23 3820 23 -25 30 23 3820 23 -26 30 23 4600 25 -28 30 23 4600 25 -30 28 23 4600 26 -31 28 21 6500 23 -35 29 23 4680 23 -33 28 21 6500 26 -33 28 21 7100 18 -33 28 21 7100 26 -33 28 23 4210 26 -34 29 23 4740 26 -26 29 23 4380 26 -27 28 23 23 26 -28 29 23 23 26 -29 23 3390 26 27 -28	-19 30 23 3840 25 -22 30 23 3840 25 -26 30 23 3820 23 -25 29 20 23 4600 25 -28 30 23 4600 25 -28 30 23 4600 26 -28 30 23 4620 25 -29 30 23 4620 26 -39 20 23 4620 26 -39 20 23 4620 25 -31 29 23 4620 25 -33 28 21 7100 18 -31 29 23 4740 26 -26 29 23 4300 26 -219 30 23 3990 23 -28 29 23 3910 25 -19 30 23 3910 25	-19 30 23 3840 25 -22 30 23 3840 25 -26 30 23 3820 23 -25 30 23 3820 23 -26 30 23 4600 25 -28 30 23 4600 26 -29 30 23 4600 26 -39 28 21 6500 23 -39 28 21 7100 26 -39 28 21 7100 26 -39 28 21 7100 26 -31 29 23 4210 26 -26 29 23 4210 26 -26 29 23 4300 26 -27 28 23 23 23 -28 30 23 23 26 -29 23 3390 26 26 -28 29 23 23 23 26 <t< td=""><td>-19 30 23 3840 25 -22 30 23 3840 25 -26 30 23 3820 23 -25 30 23 3820 23 -26 30 23 4600 25 -28 30 23 4600 25 -40 28 23 4600 26 -35 29 23 4600 26 -30 28 21 6500 25 -33 23 23 4680 23 -39 28 21 6500 23 -31 29 23 4210 26 -31 29 23 4740 28 -26 30 23 3390 23 -27 28 23 2390 26 -28 29 23 23 26 -28 29 23 23</td></t<>	-19 30 23 3840 25 -22 30 23 3840 25 -26 30 23 3820 23 -25 30 23 3820 23 -26 30 23 4600 25 -28 30 23 4600 25 -40 28 23 4600 26 -35 29 23 4600 26 -30 28 21 6500 25 -33 23 23 4680 23 -39 28 21 6500 23 -31 29 23 4210 26 -31 29 23 4740 28 -26 30 23 3390 23 -27 28 23 2390 26 -28 29 23 23 26 -28 29 23 23
	-17 -19 30 23	-17 -19 30 23 3840 -20 -22 30 23 3820	-17 -19 30 23 3840 -20 -22 30 23 3820 -24 -26 30 23 4600	-17 -19 30 23 3840 -20 -22 30 23 3820 -24 -26 30 23 4600 -23 -25 29 23 4200 -26 -28 30 23 4620	-17 -19 30 23 3840 -20 -22 30 23 3840 -24 -26 30 23 4600 -23 -25 29 23 4600 -26 -28 30 23 4600 -33 -25 29 23 4600 -37 -40 28 21 6500	-17 -19 30 23 3840 -20 -22 30 23 3840 -24 -26 30 23 4600 -23 -26 30 23 4600 -23 -26 29 23 4200 -26 -28 30 23 4600 -37 -40 28 21 6500 -27 -29 30 23 4680	-17 -19 30 23 3840 -20 -22 30 23 3840 -24 -26 30 23 4600 -23 -25 29 23 4600 -26 -28 30 23 4600 -37 -26 29 23 4600 -37 -28 30 23 4620 -37 -29 20 23 4620 -33 -35 29 23 4620 -33 -35 29 23 4680	-17 -19 30 23 3840 25 -20 -22 30 23 3820 23 -24 -26 30 23 4600 25 -23 -25 29 23 4600 25 -26 -28 30 23 4600 26 -37 -40 28 23 4620 23 -27 -29 30 23 4620 23 -33 -35 29 23 4620 23 -37 -39 30 23 4620 23 -37 -39 28 21 6500 23 -37 -39 28 21 7100 18	-17 -19 30 23 3840 25 -20 -22 30 23 3840 25 -24 -26 30 23 3820 23 -23 -26 30 23 4600 25 -26 -28 30 23 4600 26 -37 -40 28 23 4620 28 -37 -40 28 21 6500 23 -37 -29 30 23 4620 26 -37 -36 28 21 6500 23 -37 -29 30 23 4680 23 -37 -29 30 23 4680 23 -37 -39 28 21 7100 18 -21 -23 23 4210 26 25 -21 -23 23 4210 28 26	-17 -19 30 23 3840 25 -20 -22 30 23 3840 25 -24 -26 30 23 3820 23 -23 -25 29 23 4600 25 -26 -28 30 23 4600 26 -37 -40 28 21 6500 23 -37 -30 23 4620 26 -33 -35 29 23 4680 23 -33 -35 29 23 4680 23 -33 -35 29 20 23 26 -33 -35 29 23 4680 23 -31 -29 20 23 4740 28 -21 -23 30 23 4710 28 -28 -31 29 23 4740 28	-17 -19 30 23 3840 25 -20 -22 30 23 3840 25 -24 -26 30 23 3820 23 -23 -25 30 23 4600 25 -26 -28 30 23 4600 26 -37 -40 28 23 4600 28 -37 -40 28 23 4620 23 -37 -40 28 21 6500 23 -33 -35 29 23 4680 23 -33 -35 29 23 4680 23 -33 -35 29 23 4680 23 -31 -39 28 21 7100 18 -21 -23 30 23 4740 26 -28 -31 29 23 4740 26 -28 -31 29 23 4740 26	-17 -19 30 23 3840 25 -20 -22 30 23 3840 25 -24 -26 30 23 4600 25 -26 -28 30 23 4600 25 -26 -28 30 23 4600 26 -37 -40 28 21 6500 28 -37 -30 28 21 6500 28 -37 -39 28 21 6500 23 -37 -39 28 21 6500 23 -37 -39 28 21 7100 18 -21 -23 30 23 4740 26 -24 -26 29 23 4740 26 -24 -26 29 23 3390 23 -27 -28 23 3390 26 26 -28 -29 29 23 26 26 -29 -24 29	-17 -19 30 23 3840 25 -20 -22 30 23 3840 25 -24 -26 30 23 3820 23 -23 -25 29 23 4600 25 -26 -28 30 23 4600 26 -27 -29 30 23 4620 28 -27 -29 30 23 4620 28 -37 -40 28 21 6500 23 -33 -35 29 23 4620 23 -33 -35 29 23 4620 26 -33 -35 29 23 4620 26 -33 -35 28 21 7100 18 -21 -23 30 23 4740 26 -24 -26 29 23 4300 26 -24 -26 30 23 4300 23 -24 -26 30	-17 -19 30 23 3840 25 -20 -22 30 23 3840 25 -21 -26 30 23 3820 23 -26 -28 30 23 4600 25 -27 -26 30 23 4600 25 -27 -29 30 23 4600 26 -37 -40 28 21 6500 28 -37 -39 28 21 6500 23 -31 -29 30 23 4680 23 -21 -29 29 23 4740 28 -21 -23 23 4740 28 -24 -26 29 23 4740 28 -22 -24 29 23 4740 26 -24 -26 30 23 3990 23 -24 29	-17 -19 30 23 3840 25 -20 -22 30 23 3840 25 -24 -26 30 23 4600 25 -23 -25 29 23 4600 25 -37 -40 28 21 6500 23 -27 -29 30 23 4620 28 -37 -40 28 21 6500 23 -33 -35 29 23 4620 23 -33 -35 29 23 4620 28 -33 -35 29 23 4620 28 -33 -35 29 23 4620 26 -33 -35 29 23 4740 26 -24 -26 29 23 4740 26 -24 26 23 4300 26 -24 29 23 4300 26 -24 29 23 23 23 <	-17 -19 30 23 3840 25 -20 -22 30 23 3840 25 -24 -26 30 23 3820 23 -28 30 23 4600 25 -37 -40 28 23 4600 26 -27 -29 30 23 4600 26 -37 -40 28 21 6500 23 -27 -29 30 23 4620 26 -33 -35 29 20 23 4620 26 -33 -35 29 23 4620 26 23 -31 -29 30 23 4740 26 26 -21 -23 30 23 4740 26 26 -24 -26 29 23 4300 26 23 -21 -10 28 23 23 23 26 -24 -26 29 23 4300	-17 -19 30 23 3840 25 -20 -22 30 23 3840 25 -24 -26 30 23 3820 23 -28 -26 30 23 4600 25 -37 -40 28 23 4600 26 -37 -40 28 23 4600 26 -37 -40 28 23 4600 26 -37 -39 30 23 4600 26 -37 -39 28 21 6500 23 -37 -39 28 21 7100 18 -21 -23 30 23 4740 26 -24 -26 29 23 4740 26 -27 -29 23 4300 26 -28 -24 28 23 23 26 -27 -29 23 4300 26 26 -28 -29 23 23

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	Design Temperature	Degree-	15 Min	One	Ann		Ann.	Driv- ing Rain	Snow Load, kPa, 1/50	ad, kPa, 50	Hourly Wind Pressures, kPa	Wind s, kPa
January	July 2.5%	Days Below	Rain,	Rain,	Rain,	Moist. Index	Pon.	Wind Pres-				
2.5% °C 1% °C Dry °C	Wet	°C 18°C	E	1/50, mm	E		Ē	sures, Pa, 1/5	လဳ	പ്	1/10	1/50
-18 -20 30	23	3900	23	103	780	6.0	850	160	1.3	0.4	0.33	0.42
-21 -23 2	29 23	4000	23	94	760	0.9	850	160	1.6	0.4	0.37	0.48
-23 -25 2	29 23	4060	25	103	770	0.9	975	180	2.2	0.4	0.34	0.44
-26 -28 29	9 22	5020	25	97	810	0.9	1010	120	2.7	0.4	0.27	0.35
-17 -19 31	1 23	3740	23	103	770	0.9	850	160	1.1	0.4	0.36	0.46
-18 -20 29	23	4100	25	113	800	6.0	890	160	1.6	0.4	0.28	0.36
-23 -26 30	23	4280	25	97	730	0.9	850	160	1.7	0.4	0.32	0.41
-24 -26 30	23	4310	25	108	740	<u>6</u> 0	950	120	2.2	0.4	0.28	0.36
-25 -27 30	23	4600	25	97	730	0.8	850	160	2.5	0.4	0.32	0.41
-23 -25 30	23	4400	25	97	740	0.9	850	140	2.0	0.4	0.34	0.44
-17 -19 30	23	3800	25	103	820	1.0	1000	180	2.3	0.4	0.37	0.48
-35 -38 27	21	5900	20	97	530	0.7	850	80	3.6	0.4	0.23	0.30
-16 -18 31	24	3470	28	103	800	0.9	850	180	1.0	0.4	0.34	0.43
-19 -21 29	22	4320	28	103	810	0.9	1125	140	2.8	0.4	0.35	0.45
-17 -19 29	23	4150	25	103	810	0.9	1000	160	2.6	0.4	0.36	0.46
-25 -27 30	23	4500	25	108	740	0.9	950	120	2.5	0.4	0.27	0.35
-21 -23 29	23	3980	23	94	760	0.9	825	160	1.2	0.4	0.38	0.49
-34 -36 29	21	6200	20	92	575	0.8	875	80	2.8	0.3	0.27	0.35
-21 -23 29	23	3980	23	94	760	0.9	850	160	1.6	0.4	0.38	0.49
-21 -23 29		4180	28	97	720	<u>6</u> 0	950	160	2.7	0.4	0.30	0.39
-23 -25 3	30 23	4250	25	103	780	<u>6</u> 0	960	180	2.2	0.4	0.32	0.41
-16 -18 31	24	3600	25	100	760	<u>6</u> 0	800	180	1.0	0.4	0.37	0.47
-29 -32 30		4900	23	92	650	0.8	850	100	2.5	0.4	0.27	0.35
-22 -24 29	23	4070	23	92	760	0.0	006	160	1.9	0.4	0.34	0.43
-18 -20 30	24	3900	28	103	850	1.0	950	180	1.9	0.4	0.37	0.47
-33 -35 2	28 21	5950	20	103	550	0.8	725	160	2.8	0.4	0.29	0.39
-16 -18 31		3750	28	97	760	0.8	820	180	1.0	0.4	0.34	0.43
-34 -36 28	24		L	5		۲ د	002	100	70	00	0 00	0.30

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Table C-2 (Continued)

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			Design Temperature	nperature		Degree-	15 Min	One	Ann		Ann.	Driv- ing Rain	Snow Load, kPa, 1/50	ad, kPa, 30	Hourly Pressur	Hourly Wind Pressures, kPa
Province and Location	Elev., m	January	uary	July 2.5%	.5%	Days Below	Rain,	Rain,	Rain,	Moist Index	Tot. Pon	Wind Pres-				
		2.5% °C	1% °C	Dry °C	Wet °C	18°C	шш	1/50, mm	E		, m m	sures, Pa, 1/5	လိ	Ś	1/10	1/50
Dundalk	525	-22	-24	29	22	4700	28	108	750	6.0	1080	150	3.2	0.4	0.33	0.42
Dunnville	175	-15	-17	30	24	3660	23	108	830	1.0	950	160	2.0	0.4	0.36	0.46
Durham	340	-20	-22	29	22	4340	28	103	815	0.0	1025	140	2.8	0.4	0.34	0.44
Dutton	225	-16	-18	31	24	3700	28	92	850	1.0	925	180	1.3	0.4	0.37	0.47
Earlton	245	-33	-36	29	22	5730	23	92	560	0.8	820	120	3.1	0.4	0.35	0.45
Edison	365	-34	-36	28	22	5740	25	108	510	0.7	680	120	2.4	0.3	0.23	0.31
Elliot Lake	380	-26	-28	29	21	4950	23	108	630	0.8	950	160	2.9	0.4	0.30	0.38
Elmvale	220	-24	-26	29	23	4200	28	97	720	0.9	950	140	2.6	0.4	0.28	0.36
Embro	310	-19	-21	30	23	3950	28	113	830	0.0	950	160	2.0	0.4	0.37	0.48
Englehart	205	-33	-36	29	22	5800	23	92	600	0.8	880	100	2.8	0.4	0.32	0.41
Espanola	220	-25	-27	29	21	4920	23	108	650	0.8	840	160	2.3	0.4	0.33	0.42
Exeter	265	-17	-19	30	23	3900	25	113	810	0.0	975	180	2.4	0.4	0.37	0.48
Fenelon Falls	260	-25	-27	30	23	4440	25	108	730	0.9	950	120	2.3	0.4	0.28	0.36
Fergus	400	-20	-22	29	23	4300	28	108	760	0.9	925	160	2.2	0.4	0.28	0.36
Forest	215	-16	-18	31	23	3740	25	103	810	1.0	875	160	2.0	0.4	0.37	0.48
Fort Erie	180	-15	-17	30	24	3650	23	108	860	1.0	1020	160	2.3	0.4	0.36	0.46
Fort Erie (Ridgeway)	190	-15	-17	30	24	3600	25	108	860	1.0	1000	160	2.3	0.4	0.36	0.46
Fort Frances	340	-33	-35	29	22	5440	25	108	570	0.7	725	120	2.3	0.3	0.23	0.31
Gananoque	80	-22	-24	28	23	4010	23	103	760	0.9	006	180	2.1	0.4	0.37	0.47
Geraldton	345	-36	-39	28	21	6450	20	86	550	0.8	725	100	2.9	0.4	0.22	0:30
Glencoe	215	-16	-18	31	24	3680	28	103	800	0.9	925	180	1.5	0.4	0.34	0.43
Goderich	185	-16	-18	29	23	4000	25	92	810	1.0	950	180	2.4	0.4	0.37	0.48
Gore Bay	205	-24	-26	28	22	4700	23	92	640	0.8	860	160	2.6	0.4	0.34	0.44
Graham	495	-35	-37	29	22	5940	23	97	570	0.8	750	140	2.6	0.3	0.22	0:30
Gravenhurst (Muskoka Airport)	255	-26	-28	29	23	4760	25	103	290	0.9	1050	120	2.7	0.4	0.28	0.36
Grimsby	85	-16	-18	30	23	3520	23	108	760	0.9	875	160	0.9	0.4	0.36	0.46
Guelph	340	-19	-21	29	23	4270	28	103	770	0.9	875	140	1.9	0.4	0.28	0.36

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Table

Hourly Wind Pressures, kPa		1/50	0.36	0.44	0.44	0.46	0.35	0.37	0.46	0.44	0.41	0.41	0:30	0.39	0.30	0.35	0.48	0.37	0.30	0.31	0.41	0.31	0.35	0.48	0.47	0.35	
Hour		1/10	0.28	0.34	0.34	0.36	0.27	0.29	0.36	0.34	0.32	0.32	0.23	0.30	0.22	0.27	0.37	0.29	0.22	0.24	0.32	0.23	0.27	0.37	0.37	0.27	
Snow Load, kPa, 1/50		Ś	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.3	0.4	0.4	0.4	0.4	
Snow Lo		ഗ്	2.5	2.4	1.2	1.3	2.9	1.4	1.1	2.6	2.0	2.3	2.8	2.7	3.3	2.9	1.7	2.9	2.7	3.0	2.3	2.5	2.7	2.6	2.1	2.7	
Driv- ing Rain	Wind Pres-	sures, Pa, 1/5	120	120	160	160	100	140	160	140	140	160	80	160	80	120	180	100	100	100	160	120	120	180	180	120	
Ann.	Pon.	u u u	950	820	875	875	980	850	875	1050	840	925	825	1050	750	1000	950	825	750	825	925	630	825	950	950	950	
	Moist. Index		0.8	0.8	0.0	1.0	0.9	0.8	0.9	0.9	0.9	0.9	0.7	<u>6</u> .0	0.7	0.9	1.0	0.8	0.8	0.8	0.9	0.6	0.8	1.0	1.0	0.9	
Δυυ	Rain,	E	200	590	810	840	780	750	810	290	730	800	520	710	420	800	840	575	550	550	750	515	680	800	780	750	
One	Rain,	1/50, mm	103	92	108	67	92	119	108	103	92	103	86	67	93	103	108	86	86	86	92	113	86	92	108	108	
15 Min	Bain,	Ē	28	23	23	25	25	28	23	28	25	23	20	25	20	25	28	20	20	20	25	25	23	25	23	25	
Degree-	Days Below	18°C	4300	5600	3750	3760	4840	4200	3460	4300	4280	4610	6450	4300	6340	4850	3920	6100	6400	6250	4540	5630	4960	3890	4000	4600	
	2.5%	Wet °C	23	22	23	23	23	23	23	22	23	23	21	23	21	22	23	21	21	21	23	22	22	22	23	23	
Design Temperature	July	Dry °C	29	30	30	30	29	30	31	29	30	30	29	29	28	29	30	29	28	29	30	28	30	28	28	29	
Design Te	lary	1% °C	-26	-35	-20	-19	-29	-21	-19	-21	-26	-27	-37	-26	-40	-29	-20	-36	-39	-36	-27	-35	-31	-19	-24	-28	
	January	2.5% °C	-24	-32	-18	-17	-27	-19	-17	-19	-24	-25	-35	-24	-37	-26	-18	-33	-36	-34	-25	-33	-28	-17	-22	-26	
	Elev., m		280	210	190	215	335	255	06	270	200	50	245	180	360	335	280	275	330	245	06	370	185	190	80	295	
	Province and Location		Guthrie	Haileybury	Haldimand (Caledonia)	Haldimand (Hagersville)	Haliburton	Halton Hills (Georgetown)	Hamilton	Hanover	Hastings	Hawkesbury	Hearst	Honey Harbour	Hornepayne	Huntsville	Ingersoll	Iroquois Falls	Jellicoe	Kapuskasing	Kemptville	Kenora	Killaloe	Kincardine	Kingston	Kinmount	

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Table	

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			Design Ter	mperature		Degree-	4 E Mis	One	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Ann.	Driv- ing Rain	Snow Load, kPa, 1/50	ad, kPa, 50	Hourly Wind Pressures, kPa	Wind es, kPa
Province and Location	Elev., m	January	lary	July 2	2.5%	Days Below	rə min. Rain,	Lay Rain,	Aill. Rain,	Moist. Index	Tot.	Wind Pres-				
		2.5% °C	1% °C	Dry °C	Wet °C	18°C	E	1/50, mm	E		E E	sures, Pa, 1/5	ഗ്	Ŷ	1/10	1/50
Kitchener	335	-19	-21	29	23	4200	28	119	780	0.9	925	140	2.0	0.4	0.29	0.37
Kitchenuhmaykoosib / Big Trout Lake	215	-38	-40	26	20	7450	18	92	400	0.75	600	150	3.2	0.2	0.31	0.42
Lakefield	240	-24	-26	30	23	4330	25	92	720	0.9	850	140	2.2	0.4	0.30	0.38
Lansdowne House	240	-38 -	-40	28	21	7150	23	92	500	0.8	680	140	3.0	0.2	0.24	0.32
Leamington	190	-15	-17	31	24	3400	28	113	800	<u>0</u> .9	875	180	0.8	0.4	0.37	0.47
Lindsay	265	-24	-26	30	23	4320	25	103	720	0.8	850	140	2.3	0.4	0.30	0.38
Lion's Head	185	-19	-21	27	22	4300	25	103	700	0.9	950	180	2.7	0.4	0.37	0.48
Listowel	380	-19	-21	29	23	4300	28	119	800	0.9	1000	160	2.6	0.4	0.34	0.43
London	245	-18	-20	30	24	3900	28	103	825	0.9	975	180	1.9	0.4	0.37	0.47
Lucan	300	-17	-19	30	23	3900	25	113	810	0.9	1000	180	2.3	0.4	0.37	0.48
Maitland	85	-23	-25	29	23	4080	25	103	770	0.9	975	180	2.2	0.4	0.34	0.44
Markdale	425	-20	-22	29	22	4500	28	103	820	0.0	1050	160	3.2	0.4	0.32	0.41
Markham	175	-21	-23	31	24	4000	25	86	720	0.8	825	140	1.3	0.4	0.34	0.44
Martin	485	-35	-37	29	22	5900	25	103	560	0.8	750	120	2.6	0.3	0.22	0:30
Matheson	265	-33	-36	29	21	6080	20	86	580	0.8	825	100	2.8	0.3	0.30	0.39
Mattawa	165	-29	-31	30	22	5050	23	86	700	0.0	875	100	2.1	0.4	0.25	0.32
Midland	190	-24	-26	29	23	4200	25	97	740	0.9	1060	160	2.7	0.4	0.30	0.39
Milton	200	-18	-20	30	23	3920	25	125	750	0.0	850	160	1.3	0.4	0.34	0.43
Milverton	370	-19	-21	29	23	4200	28	108	800	0.9	1050	160	2.4	0.4	0.34	0.43
Minden	270	-27	-29	29	23	4640	25	97	780	0.9	1010	100	2.7	0.4	0.27	0.35
Mississauga	160	-18	-20	30	23	3880	25	113	720	0.9	800	160	1.1	0.4	0.34	0.44
Mississauga (Lester B. Pearson Int'l Airport)	170	-20	-22	31	24	3890	26	108	685	0.8	290	160	1.1	0.4	0.34	0.44
Mississauga (Port Credit)	75	-18	-20	29	23	3780	25	108	720	0.9	800	160	6.0	0.4	0.37	0.48
Mitchell	335	-18	-20	29	23	4100	28	113	810	0.9	1050	160	2.4	0.4	0.35	0.45
Moosonee	10	-36	-38	28	22	6800	18	81	500	0.8	700	160	2.7	0.3	0.26	0.35
Morrisburg	75	-23	-25	30	23	4370	25	103	800	0.9	950	180	2.3	0.4	0.32	0.41

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Table C-2 (Continued)

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	Table

			Design Temperature	nperature		Degree-	15 Min	One	Δun		Ann.	Driv- ing Rain	Snow Lc 1/5	Snow Load, kPa, 1/50	Hourly Pressur	Hourly Wind Pressures, kPa
Province and Location	Elev., m	January	uary	July 2	2.5%	Days Below	Rain,	Rain,	Rain,	Moist Index	Tot. Pon.	Wind Pres-				
		2.5% °C	1% °C	Dry °C	Wet °C	18°C	шш	1/50, mm	E		L E	sures, Pa, 1/5	လဳ	Š	1/10	1/50
Mount Forest	420	-21	-24	28	22	4700	28	103	740	0.9	940	140	2.7	0.4	0.32	0.41
Nakina	325	-36	-38	28	21	6500	20	86	540	0.8	750	100	2.8	0.4	0.22	0:30
Nanticoke (Jarvis)	205	-17	-18	30	23	3700	28	108	840	1.0	006	160	1.4	0.4	0.37	0.48
Nanticoke (Port Dover)	180	-15	-17	30	24	3600	25	108	860	1.0	950	140	1.2	0.4	0.37	0.48
Napanee	06	-22	-24	29	23	4140	23	92	770	0.0	006	160	1.9	0.4	0.34	0.43
Newcastle	115	-20	-22	30	23	3990	23	86	760	0.9	830	160	1.5	0.4	0.37	0.48
Newcastle (Bowmanville)	95	-20	-22	30	23	4000	23	86	760	06.0	830	160	1.4	0.4	0.37	0.48
New Liskeard	180	-32	-35	30	22	5570	23	92	570	0.8	810	100	2.6	0.4	0.34	0.43
Newmarket	185	-22	-24	30	23	4260	28	108	700	0.8	800	140	2.0	0.4	0:30	0.38
Niagara Falls	210	-16	-18	30	23	3600	23	96	810	0.9	950	160	1.8	0.4	0.34	0.43
North Bay	210	-28	-30	28	22	5150	25	95	775	0.9	975	120	2.2	0.4	0.27	0.34
Norwood	225	-24	-26	30	23	4320	25	92	720	0.8	850	120	2.1	0.4	0.32	0.41
Oakville	06	-18	-20	30	23	3760	23	97	750	0.9	850	160	1.1	0.4	0.37	0.47
Orangeville	430	-21	-23	29	23	4450	28	108	730	0.8	875	140	2.3	0.4	0.28	0.36
Orillia	230	-25	-27	29	23	4260	25	103	740	0.9	1000	120	2.4	0.4	0.28	0.36
Oshawa	110	-19	-21	30	23	3860	23	86	760	0.9	875	160	1.4	0.4	0.37	0.48
Ottawa (Metropolitan)																
Ottawa (Barrhaven)	98	-25	-27	30	23	4500	25	92	750	0.8	006	160	2.4	0.4	0.32	0.41
Ottawa (City Hall)	70	-25	-27	30	23	4440	23	86	750	0.8	006	160	2.4	0.4	0.32	0.41
Ottawa (Kanata)	98	-25	-27	30	23	4520	25	92	730	0.8	006	160	2.5	0.4	0.32	0.41
Ottawa (M-C Int'l Airport)	125	-25	-27	30	23	4500	24	89	750	0.8	006	160	2.4	0.4	0.32	0.41
Ottawa (Orléans)	70	-26	-28	30	23	4500	23	91	750	0.8	006	160	2.4	0.4	0.32	0.41
Owen Sound	215	-19	-21	29	22	4030	28	113	760	0.9	1075	160	2.8	0.4	0.34	0.44
Pagwa River	185	-35	-37	28	21	6500	20	86	540	0.8	825	80	2.7	0.4	0.22	0.30
Paris	245	-18	-20	30	23	4000	23	96	790	0.9	925	160	1.4	0.4	0.33	0.42
Parkhill	205	-16	-18	31	23	3800	25	103	800	0.9	925	180	2.1	0.4	0.37	0.48

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Tab	

			Design Temp	mperature		Degree-	15 Min	One	Ann		Ann.	Driv- ing Rain	Snow Load, kPa, 1/50	ad, kPa, i0	Hourly Wind Pressures, kPa	Wind es, kPa
Province and Location	Elev., m	January	Jary	July 2.5%	.5%	Days Below	Bain,	Rain,	Rain,	Moist. Index	Tot. Pon.	Wind Pres-				
		2.5% °C	1% °C	Dry °C	Wet °C	18°C	E	1/50, mm	E		Ē	sures, Pa, 1/5	လဳ	ې	1/10	1/50
Parry Sound	215	-24	-26	28	22	4640	23	97	820	1.0	1050	160	2.8	0.4	0.30	0.39
Pelham (Fonthill)	230	-15	-17	30	23	3690	23	96	820	0.9	950	160	2.1	0.4	0.33	0.42
Pembroke	125	-28	-31	30	23	4980	23	105	640	0.8	825	100	2.5	0.4	0.27	0.35
Penetanguishene	220	-24	-26	29	23	4200	25	97	720	0.9	1050	160	2.8	0.4	0.30	0.39
Perth	130	-25	-27	30	23	4540	25	92	730	0.8	006	140	2.3	0.4	0.32	0.41
Petawawa	135	-29	-31	30	23	4980	23	92	640	0.8	825	100	2.6	0.4	0.27	0.35
Peterborough	200	-23	-25	30	23	4400	25	92	710	0.8	840	140	2.0	0.4	0.32	0.41
Petrolia	195	-16	-18	31	24	3640	25	108	810	6.0	920	180	1.3	0.4	0.37	0.47
Pickering (Dunbarton)	85	-19	-21	30	23	3800	23	92	730	6.0	825	140	1.0	0.4	0.37	0.48
Picton	95	-21	-23	29	23	3980	23	92	770	0.0	940	160	2.0	0.4	0.38	0.49
Plattsville	300	-19	-21	29	23	4150	28	103	820	0.9	950	140	1.9	0.4	0.33	0.42
Point Alexander	150	-29	-32	30	22	4960	23	92	650	0.8	850	100	2.5	0.4	0.27	0.35
Port Burwell	195	-15	-17	30	24	3800	25	92	930	1.1	1000	180	1.2	0.4	0.37	0.47
Port Colborne	180	-15	-17	30	24	3600	23	108	850	1.0	1000	160	2.1	0.4	0.36	0.46
Port Elgin	205	-17	-19	28	22	4100	25	92	790	0.9	850	180	2.8	0.4	0.37	0.48
Port Hope	100	-21	-23	29	23	3970	23	94	760	0.9	825	180	1.2	0.4	0.37	0.48
Port Perry	270	-22	-24	30	23	4260	25	97	720	0.8	850	140	2.4	0.4	0.34	0.44
Port Stanley	180	-15	-17	31	24	3850	25	92	940	:-	975	180	1 <u>.</u> 2	0.4	0.37	0.47
Prescott	06	-23	-25	29	23	4120	25	103	770	0.9	975	180	2.2	0.4	0.34	0.44
Princeton	280	-18	-20	30	23	4000	25	97	810	0.9	925	160	1.5	0.4	0.33	0.42
Raith	475	-34	-37	28	22	5900	23	97	570	0.8	750	120	2.7	0.4	0.22	0.30
Rayside-Balfour (Chelmsford)	270	-28	-30	29	21	5200	25	92	650	0.8	850	180	2.5	0.4	0.35	0.45
Red Lake	360	-35	-37	28	21	6220	20	92	470	0.7	630	120	2.6	0.3	0.22	0.30
Renfrew	115	-27	-30	30	23	4900	23	97	620	0.8	810	140	2.5	0.4	0.27	0.35
Richmond Hill	230	-21	-23	31	24	4000	25	97	740	0.8	850	140	1.5	0.4	0.34	0.44
Rockland	50	-26	-28	30	23	4600	23	92	780	0.9	950	160	2.4	0.4	0.31	0.40

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(Continued)
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Table

			Design Tempe	mperature		Degree-	15 Min	One	Ann		Ann.	Driv- ing Rain	Snow Lo 1/5	Snow Load, kPa, 1/50	Hourly Wind Pressures, kP	Hourly Wind Pressures, kPa
Province and Location	Elev , m	January	Jary	July 2.5%	2.5%	Below	Bain,	Rain,	Rain,	Moist. Index	Pon.	Wind Pres-				
		2.5% °C	1% °C	Dry °C	Wet °C	18°C	шш	1/50, mm	шш		u u u u	sures, Pa, 1/5	ഗ്	പ്	1/10	1/50
Sarnia	190	-16	-18	31	24	3750	25	100	750	<u>6</u> 0	825	180	1.1	0.4	0.37	0.47
Sault Ste. Marie	190	-25	-28	29	22	4960	23	97	660	<u>0</u> .9	950	200	3.1	0.4	0.33	0.44
Schreiber	310	-34	-36	27	21	5960	20	103	600	0.8	850	160	3.3	0.4	0.29	0.39
Seaforth	310	-17	-19	30	23	4100	25	108	810	0.0	1025	160	2.5	0.4	0.35	0.45
Shelburne	495	-22	-24	29	23	4700	28	108	740	0.9	006	150	3.1	0.4	0.31	0.40
Simcoe	210	-17	-19	30	24	3700	28	113	860	1.0	950	160	1.3	0.4	0.35	0.45
Sioux Lookout	375	-34	-36	28	22	5950	25	97	520	0.7	710	100	2.6	0.3	0.22	0.30
Smiths Falls	130	-25	-27	30	23	4540	25	92	730	0.8	850	140	2.3	0.4	0.32	0.41
Smithville	185	-16	-18	30	23	3650	23	108	800	6.0	006	160	1.5	0.4	0.33	0.42
Smooth Rock Falls	235	-34	-36	29	21	6250	20	92	560	0.8	850	80	2.7	0.3	0.25	0.32
Southampton	180	-17	-19	28	22	4100	25	92	800	1.0	830	180	2.7	0.4	0.37	0.48
South River	355	-27	-29	29	22	5090	25	103	830	1.0	975	120	2.8	0.4	0.27	0.35
St. Catharines	105	-16	-18	30	23	3540	23	92	770	0.9	850	160	1.0	0.4	0.36	0.46
St. Marys	310	-18	-20	30	23	4000	28	108	820	1.0	1025	160	2.2	0.4	0.37	0.47
St. Thomas	225	-16	-18	31	24	3780	25	103	006	1.0	975	180	1.4	0.4	0.37	0.47
Stirling	120	-23	-25	30	23	4220	25	97	740	0.9	850	120	1.7	0.4	0.31	0.40
Stratford	360	-18	-20	29	23	4050	28	113	820	1.0	1050	160	2.3	0.4	0.35	0.45
Strathroy	225	-17	-19	31	24	3780	25	103	770	0.9	950	180	1.9	0.4	0.37	0.47
Sturgeon Falls	205	-28	-30	29	21	5200	25	95	700	0.9	910	140	2.4	0.4	0.27	0.35
Sudbury	275	-28	-30	29	21	5180	25	97	650	0.8	875	200	2.5	0.4	0.36	0.46
Sundridge	340	-27	-29	29	22	5080	25	97	840	1.0	975	120	2.8	0.4	0.27	0.35
Tavistock	340	-19	-21	29	23	4100	28	113	820	1.0	1010	160	2.1	0.4	0.35	0.45
Temagami	300	-30	-33	30	22	5420	23	92	650	0.8	875	120	2.6	0.4	0.29	0.37
Thamesford	280	-19	-21	30	23	3950	28	108	820	0.9	975	160	1.9	0.4	0.37	0.48
Thedford	205	-16	-18	31	23	3710	25	103	810	1.0	006	180	2.1	0.4	0.37	0.48
Thunder Bay	210	-31	-33	29	21	5650	23	108	560	0.8	710	160	2.9	0.4	0.29	0.39
Tillsonburg	215	-17	-19	30	24	3840	25	103	880	1.0	980	160	1.3	0.4	0.34	0.44

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			Design Temp	mperature		Degree-	15 Min	One	Δnn		Ann.	Driv- ing Rain	Snow Load, kPa, 1/50	ad, kPa, 50	Hourly Wind Pressures, kPa	Wind ss, kPa
Province and Location	Elev., m	January	Jary	July 2.5%	2.5%	Days Below	Bain,	Rain,	Rain,	Moist. Index	Pon.	Wind Pres				
		2.5% °C	1% °C	Dry °C	Wet °C	18°C	ШШ	1/50, mm	E		, E	sures, Pa, 1/5	လဳ	ഗ്	1/10	1/50
Timmins	300	-34	-36	29	21	5940	20	108	560	0.8	875	100	3.1	0.3	0.27	0.35
Timmins (Porcupine)	295	-34	-36	29	21	6000	20	103	560	0.8	875	100	2.9	0.3	0.29	0.37
Toronto Metropolitan Region																
Etobicoke	160	-20	-22	31	24	3800	26	108	720	0.8	800	160	1.1	0.4	0.34	0.44
North York	175	-20	-22	31	24	3760	25	108	730	0.8	850	150	1.2	0.4	0.34	0.44
Scarborough	180	-20	-22	31	24	3800	25	92	730	0.0	825	160	1.2	0.4	0.37	0.47
Toronto (City Hall)	06	-18	-20	31	23	3520	25	97	720	0.0	820	160	0.9	0.4	0.34	0.44
Trenton	80	-22	-24	29	23	4110	23	97	760	0.9	850	160	1.6	0.4	0.37	0.47
Trout Creek	330	-27	-29	29	22	5100	25	103	780	0.9	975	120	2.7	0.4	0.27	0.35
Uxbridge	275	-22	-24	30	23	4240	25	103	700	0.8	850	140	2.4	0.4	0.33	0.42
Vaughan (Woodbridge)	165	-20	-22	31	24	4100	26	113	700	0.8	800	140	1.1	0.4	0.34	0.44
Vittoria	215	-15	-17	30	24	3680	25	113	880	1.0	950	160	1.3	0.4	0.37	0.47
Walkerton	275	-18	-20	30	22	4300	28	103	790	0.9	1025	160	2.7	0.4	0.36	0.46
Wallaceburg	180	-16	-18	31	24	3600	28	97	760	0.9	825	180	0.9	0.4	0.35	0.45
Waterloo	330	-19	-21	29	23	4200	28	119	780	0.9	925	160	2.0	0.4	0.29	0.37
Watford	240	-17	-19	31	24	3740	25	108	790	0.9	950	160	1.9	0.4	0.37	0.47
Wawa	290	-34	-36	26	21	5840	20	93	725	0.0	950	160	3.4	0.4	0.30	0.39
Welland	180	-15	-17	30	23	3670	23	103	840	1.0	975	160	2.0	0.4	0.34	0.43
West Lorne	215	-16	-18	31	24	3700	28	103	840	1.0	006	180	1.3	0.4	0.37	0.47
Whitby	85	-20	-22	30	23	3820	23	86	760	0.9	850	160	1.2	0.4	0.37	0.48
Whitby (Brooklin)	160	-20	-22	30	23	4010	23	86	770	0.9	850	140	1.9	0.4	0.35	0.45
White River	375	-39	-42	28	21	6150	20	92	575	0.8	825	100	3.6	0.4	0.22	0.30
Wiarton	185	-19	-21	29	22	4300	25	103	740	0.9	1000	180	2.7	0.4	0.34	0.44
Windsor	185	-16	-18	32	24	3400	28	103	800	0.9	006	180	0.8	0.4	0.37	0.47
Wingham	310	-18	-20	30	23	4220	28	108	780	0.9	1050	160	2.6	0.4	0.36	0.46
Woodstock	300	-19	-21	30	23	3910	28	113	830	0.9	930	160	1.9	0.4	0.34	0.44

Table C-2 (Continued)

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Table C-2 (Continued)

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			Design Temperature	nperature		Degree-	15 Min	One Dav	Ann		Ann	Driv- ing Rain	Snow Load, kPa, 1/50	ad, kPa, 50	Hourly Wind Pressures, kPa	Wind es, kPa
Province and Location	Elev., m	January	lary	July 2.5%	.5%	Days Below	Rain,	Rain,	Rain,	Moist. Index	Pon	Wind Pres-				
		2.5% °C	1% °C	Dry °C	Wet °C	18°C	E	1/50, mm	E		, E	sures, Pa, 1/5	လိ	Ś	1/10	1/50
Wyoming	215	-16	-18	31	24	3700	25	103	815	0.9	006	180	1.6	0.4	0.37	0.47
Quebec																
Acton Vale	95	-24	-27	30	23	4620	21	107	860	1.0	1050	180	2.3	0.4	0.27	0.35
Alma	110	-31	-33	28	22	5800	20	91	700	0.9	950	160	3.3	0.4	0.27	0.35
Amos	295	-34	-36	28	21	6160	20	91	670	0.0	920	100	3.2	0.3	0.25	0.32
Asbestos	245	-26	-28	29	22	4800	23	96	870	1.0	1050	160	2.8	0.6	0.27	0.35
Aylmer	06	-25	-28	30	23	4520	23	91	730	0.8	006	160	2.5	0.4	0.32	0.41
Baie-Comeau	60	-27	-29	25	19	6020	16	91	680	1.0	1000	220	4.3	0.4	0.39	0.50
Baie-Saint-Paul	20	-27	-29	28	21	5280	18	102	730	0.9	1000	180	3.4	0.6	0.37	0.48
Beauport	45	-26	-29	28	22	5100	20	107	980	1.1	1200	200	3.4	0.6	0.33	0.42
Bedford	55	-24	-26	29	23	4420	23	91	880	1.0	1260	160	2.1	0.4	0.29	0.37
Beloeil	25	-24	-26	30	23	4500	23	91	840	1.0	1025	180	2.4	0.4	0.29	0.37
Brome	210	-25	-27	29	23	4730	23	96	066	1.1	1240	160	2.5	0.4	0.29	0.37
Brossard	15	-24	-26	30	23	4420	23	91	800	0.9	1025	180	2.4	0.4	0.34	0.44
Buckingham	130	-26	-28	30	23	4880	23	91	810	0.9	066	160	2.6	0.4	0.31	0.40
Campbell's Bay	115	-28	-30	30	23	4900	23	96	700	0.8	850	140	2.6	0.4	0.25	0.32
Chambly	20	-24	-26	30	23	4450	23	91	850	1.0	1000	160	2.3	0.4	0.31	0.40
Coaticook	295	-25	-27	28	22	4750	23	96	860	1.0	1060	160	2.3	0.6	0.27	0.35
Contrecoeur	10	-25	-27	30	23	4500	20	102	810	0.9	1000	180	2.8	0.4	0.34	0.43
Cowansville	120	-25	-27	29	23	4540	23	91	940	1.0	1150	160	2.3	0.4	0.29	0.37
Deux-Montagnes	25	-25	-27	29	23	4440	23	96	820	0.9	1025	160	2.4	0.4	0.29	0.37
Dolbeau	120	-32	-34	28	22	6250	22	91	670	0.9	006	140	3.5	0.3	0.27	0.35
Drummondville	85	-26	-28	30	23	4700	22	107	870	1.0	1075	180	2.5	0.4	0.27	0.35
Farnham	60	-24	-26	29	23	4500	23	96	910	1.0	1050	180	2.5	0.4	0.29	0.37
Fort-Coulonge	110	-28	-30	30	23	4950	23	96	720	0.9	006	100	2.5	0.4	0.25	0.32
Gagnon	545	-34	-36	24	19	7600	17	80	580	0.9	925	140	4.6	0.4	0:30	0.39
Gaspé	55	-25	-26	26	20	5500	19	118	760	1.0	1100	300	4.3	0.6	0.37	0.48
Gatineau	95	-25	-28	30	23	4600	23	91	790	0.9	950	160	2.5	0.4	0.32	0.41

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			Design Temperature	nperature		Degree-	15 Min	One	Ann		Ann.	Driv- ing Rain	Snow Load, kPa, 1/50	ad, kPa, 50	Hourly Wind Pressures, kPa	Wind es, kPa
Province and Location	Elev., m	January	ıary	July 2.5%	2.5%	Days Below	Bain,	Rain,	Rain,	Moist. Index	Pon.	Wind Pres-				
		2.5% °C	1% °C	Dry °C	Wet °C	18°C	E	1/50, mm	E		u E E	sures, Pa, 1/5	လဳ	ഗ്	1/10	1/50
Gracefield	175	-28	-31	30	23	5080	23	96	700	<u>6</u> .0	950	140	2.6	0.4	0.25	0.32
Granby	120	-25	-27	29	23	4500	23	102	940	1.0	1175	160	2.3	0.4	0.27	0.35
Harrington Harbour	30	-27	-29	19	16	6150	15	96	006	1.2	1150	300	4.9	0.6	0.56	0.72
Havre-Saint-Pierre	5	-27	-29	22	18	6100	15	96	780	1.1	1125	300	4.1	0.6	0.49	0.63
Hemmingford	75	-24	-26	30	23	4380	23	91	770	0.9	1025	160	2.4	0.4	0.31	0.40
Hull	65	-25	-28	30	23	4550	23	91	730	0.8	006	160	2.4	0.4	0.32	0.41
Iberville	35	-24	-26	29	23	4450	23	91	880	1.0	1010	160	2.2	0.4	0.32	0.41
Inukjuak	5	-36	-38	21	15	9150	6	54	270	0.9	420	240	4.1	0.2	0.37	0.48
Joliette	45	-26	-28	29	23	4720	21	102	790	0.9	1000	160	3.1	0.4	0.28	0.36
Kuujjuaq	25	-37	-39	24	17	8550	6	54	280	0.8	525	260	4.8	0.2	0.47	09.0
Kuujjuarapik	20	-36	-38	25	17	7990	12	80	410	0.9	610	180	4.2	0.3	0.37	0.48
Lachute	65	-26	-28	29	23	4640	23	96	910	1.0	1075	160	2.4	0.4	0.31	0.40
Lac-Mégantic	420	-27	-29	27	22	5180	23	91	790	0.9	1025	160	3.2	0.6	0.27	0.35
La Malbaie	25	-26	-28	28	21	5400	18	102	640	0.8	006	180	3.1	0.6	0.37	0.48
La Pocatière	55	-24	-26	28	22	5160	18	102	675	0.9	965	180	3.2	0.6	0.39	0.50
La Tuque	165	-30	-32	29	22	5500	23	96	720	0.9	930	160	3.4	0.4	0.27	0.35
Lennoxville	155	-28	-30	29	22	4700	23	96	850	1.0	1100	160	2.1	0.6	0.25	0.32
Léry	30	-24	-26	29	23	4420	23	91	800	0.9	950	180	2.3	0.4	0.33	0.42
Loretteville	100	-26	-29	28	22	5200	20	102	980	1.1	1225	200	3.7	0.6	0.32	0.41
Louiseville	15	-25	-28	29	23	4900	20	102	800	0.9	1025	160	2.9	0.4	0.34	0.43
Magog	215	-26	-28	29	23	4730	23	96	860	1.0	1125	160	2.3	0.4	0.27	0.35
Malartic	325	-33	-36	29	21	6200	20	86	640	0.8	006	100	3.3	0.3	0.25	0.32
Maniwaki	180	-30	-32	29	22	5280	23	96	700	0.9	006	100	2.4	0.4	0.24	0.31
Masson	50	-26	-28	30	23	4610	23	91	790	0.9	975	160	2.4	0.4	0.31	0.40
Matane	S	-24	-26	24	20	5510	18	91	640	0.9	1050	220	3.7	0.4	0.43	0.55
Mont-Joli	06	-24	-26	26	21	5370	18	91	610	0.8	920	220	4.1	0.4	0.41	0.52
Mont-Laurier	225	-29	-32	29	22	5320	24	102	790	0.9	1000	160	2.6	0.4	0.23	0.30
Montmagny	10	-25	-28	28	22	5090	20	102	880	1.0	1090	180	2.9	0.6	0.37	0.47

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(Continued)	
C-2	
Table	

			Design Terr	mperature		Degree-	15 Min	One	Ann		Ann.	Driv- ing Rain	Snow Load, kPa, 1/50	ad, kPa, 50	Hourly Wind Pressures, kPa	Wind ss, kPa
Province and Location	Elev., m	January	lary	July 2	2.5%	Days Below	Bain,	Rain,	Rain,	Moist. Index	Pon.	Wind Pres-				
		2.5% °C	1% °C	Dry °C	Wet °C	18°C	шш	1/50, mm	шш		, mm	sures, Pa, 1/5	ഗ്	പ്	1/10	1/50
Montréal Region																
Beaconsfield	25	-24	-26	30	23	4440	23	91	780	0.9	950	180	2.3	0.4	0.33	0.42
Dorval	25	-24	-26	30	23	4400	23	91	760	0.0	940	180	2.4	0.4	0.34	0.44
Laval	35	-24	-26	29	23	4500	23	96	830	0.0	1025	160	2.6	0.4	0.33	0.42
Montréal (City Hall)	20	-23	-26	30	23	4200	23	96	830	0.93	1025	180	2.6	0.4	0.34	0.44
Montréal-Est	25	-23	-26	30	23	4470	23	96	830	0.93	1025	180	2.7	0.4	0.34	0.44
Montréal-Nord	20	-24	-26	30	23	4470	23	96	830	0.93	1025	160	2.6	0.4	0.33	0.42
Outremont	105	-23	-26	30	23	4300	23	96	820	0.91	1025	180	2.8	0.4	0.34	0.44
Pierrefonds	25	-24	-26	30	23	4430	23	96	800	06.0	960	180	2.4	0.4	0.33	0.42
Sainte-Anne-de- Bellevue	35	-24	-26	29	23	4460	23	96	780	0.9	960	180	2.3	0.4	0.33	0.42
Saint-Lambert	15	-23	-26	30	23	4400	23	96	810	0.91	1050	160	2.5	0.4	0.34	0.44
Saint-Laurent	45	-23	-26	30	23	4270	23	96	790	0.89	950	160	2.5	0.4	0.34	0.44
Verdun	20	-23	-26	30	23	4200	23	91	780	0.9	1025	180	2.5	0.4	0.34	0.44
Nicolet (Gentilly)	15	<u>-</u> 25	-28	29	23	4900	20	107	860	1.0	1025	160	2.8	0.4	0.33	0.42
Nitchequon	545	-39	-41	23	19	8100	15	70	500	0.9	825	140	3.5	0.3	0.29	0.37
Noranda	305	-33	-36	29	21	6050	20	91	650	0.8	875	100	3.2	0.3	0.27	0.35
Percé	5	-21	-24	25	19	5400	16	107	1000	1.2	1300	300	3.8	0.6	0.49	0.63
Pincourt	25	-24	-26	29	23	4480	23	96	780	0.9	950	180	2.3	0.4	0.33	0.42
Plessisville	145	-26	-28	29	23	5100	21	107	890	1.0	1150	180	2.8	0.6	0.27	0.35
Port-Cartier	20	-28	-30	25	19	6060	15	106	730	1.0	1125	300	4.1	0.4	0.42	0.54
Puvirnituq	5	-36	-38	23	16	9200	7	54	210	0.9	375	240	4.5	0.2	0.47	09.0
Québec City Region																
Ancienne-Lorette	35	-25	-28	28	23	5130	20	102	940	1.1	1200	200	3.4	0.6	0.32	0.41
Lévis	50	-25	-28	28	22	5050	20	107	920	1.0	1200	160	3.3	0.6	0.32	0.41
Québec	120	-25	-28	28	22	5080	20	107	925	1.0	1210	200	3.6	0.6	0.32	0.41
Sainte-Foy	115	-25	-28	28	23	5100	20	107	940	1.1	1200	180	3.7	0.6	0.32	0.41
Sillery	10	-25	-28	28	23	5070	20	107	930	1.1	1200	200	3.1	0.6	0.32	0.41

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Hourly Wind Pressures, kPa		1/10 1/50	0.25 0.32	0.41 0.52	0.39 0.50	0.27 0.35	0.27 0.35	0.31 0.40	0.27 0.35	0.28 0.36	0.30 0.38	0.27 0.35	0.27 0.35	0.27 0.35	0.29 0.37	0.27 0.35	0.39 0.50	0.34 0.44	0.31 0.40	0.27 0.35	0.32 0.41	0.29 0.37	0.26 0.33	0.33 0.42	0.33 0.42	0.33 0.42
		ې ۲	0.6 0	0.4 0	0.6 0	0.3 0	0.4 0	0.4 0	0.3 0	0.4 0	0.4 0	0.4 0	0.4 0	0.4 0	0.4 0	0.3 0	0.6	0.4 0	0.6	0.4 0	0.4 0	0.4 0	0.4 0	0.4 0	0.6 0	0.4 0
Snow Load, kPa, 1/50		ഗ്	2.4	3.8	3.5	3.5	2.0	2.6	3.1	2.7	2.7	3.1	3.1	3.4	2.4	3.5	3.2	2.5	4.4	2.3	2.2	2.7	2.8	2.3	3.5	2.3
Driv- ing Rain	Wind Pres-	sures, Pa, 1/5	160	200	180	140	160	160	100	140	160	160	160	140	160	140	180	180	180	160	180	160	160	180	200	180
	Tot. Pnn		1060	890	006	910	1125	1050	006	975	925	925	925	1170	1025	006	925	1020	1025	1030	1010	1025	1025	950	1200	006
	Moist. Index		1.0	0.8	0.8	0.8	1.0	1.0	0.8	6.0	0.9	0.9	<u>6</u> 0	1.0	0.9	0.8	0.0	0.9	0.9	1.0	1.0	1.0	1.0	0.9	1.0	0.9
Ann	Rain,	шш	870	640	660	590	006	840	650	710	690	710	690	820	820	570	660	820	740	840	880	830	810	750	890	760
One	Lay Rain,	1/50, mm	96	91	91	91	91	96	91	86	86	86	86	96	96	91	91	91	91	91	91	96	96	96	102	96
15 Min	Rain,	шш	23	18	18	22	23	23	20	18	18	18	18	23	23	22	18	23	22	21	23	23	23	23	20	23
Degree-	Days Below	18°C	4700	5300	5380	5750	4850	4550	6050	5700	5700	5650	5650	5390	4500	5850	5400	4490	5520	4500	4450	4820	5250	4520	4990	4400
	2.5%	Wet °C	22	20	21	21	23	23	21	22	21	22	22	22	23	22	21	23	21	23	23	23	22	23	22	23
emperature	July	Dry °C	29	26	26	28	29	29	29	28	28	28	28	28	29	28	26	30	26	30	29	29	28	30	28	29
Design Ter	January	1% °C	-27	-27	-27	-33	-27	-26	-36	-32	-33	-32	-32	-30	-27	-34	-27	-26	-28	-27	-26	-28	-31	-26	-28	-25
		2.5% °C	-25	-25	-25	-31	-25	-24	-33	-30	-31	-30	-30	-28	-25	-32	-25	-24	-26	-24	-24	-26	-29	-24	-25	-23
	Elev., m		150	30	55	100	160	25	300	10	5	135	140	360	35	105	35	25	310	35	35	95	230	60	65	50
	Province and Location		Richmond	Rimouski	Rivière-du-Loup	Roberval	Rock Island	Rosemère	Rouyn	Saguenay	Saguenay (Bagotville)	Saguenay (Jonquière)	Saguenay (Kénogami)	Sainte-Agathe- des-Monts	Saint-Eustache	Saint-Félicien	Saint-Georges-de- Cacouna	Saint-Hubert	Saint-Hubert-de- Rivière-du-Loup	Saint-Hyacinthe	Saint-Jean-sur- Richelieu	Saint-Jérôme	Saint-Jovite	Saint-Lazare / Hudson	Saint-Nicolas	Salaberry-de- Vallavitiald

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Table

			Design Temp	mperature		Degree-	15 Min	One	Ann		Ann.	Driv- ing Rain	Snow Load, kPa, 1/50	ad, kPa, i0	Hourly Wind Pressures, kPa	Wind es, kPa
Province and Location	Elev., m	January	ary	July 2	2.5%	Days Below	Bain,	Rain,	Rain,	Moist. Index	Pon.	Wind Pres-				
		2.5% °C	1% °C	Dry °C	Wet °C	18°C	шш	1/50, mm	E	500	, E E E	sures, Pa, 1/5	ഗ്	ഗ്	1/10	1/50
Schefferville	550	-37	-39	24	16	8550	13	64	410	0.8	800	180	4.5	0.3	0.33	0.42
Senneterre	310	-34	-36	29	21	6180	22	91	740	0.9	925	100	3.3	0.3	0.25	0.32
Sept-Îles	5	-29	-31	24	18	6200	15	106	760	1.0	1125	300	4.1	0.4	0.42	0.54
Shawinigan	60	-26	-29	29	23	5050	22	102	820	1.0	1050	180	3.1	0.4	0.27	0.35
Shawville	170	-27	-30	30	23	4880	23	96	670	0.8	880	160	2.8	0.4	0.27	0.35
Sherbrooke	185	-28	-30	29	23	4700	23	96	006	1.0	1100	160	2.2	0.6	0.25	0.32
Sorel	10	-25	-27	29	23	4550	20	102	800	0.9	975	180	2.8	0.4	0.34	0.43
Sutton	185	-25	-27	29	23	4600	23	96	066	1.1	1260	160	2.4	0.4	0.29	0.37
Tadoussac	65	-26	-28	27	21	5450	18	96	700	0.9	1000	180	3.7	0.4	0.41	0.52
Témiscaming	240	-30	-32	30	22	5020	23	96	730	0.9	940	100	2.5	0.4	0.25	0.32
Terrebonne	20	-25	-27	29	23	4500	23	96	830	0.9	1025	160	2.6	0.4	0.31	0.40
Thetford Mines	330	-26	-28	28	22	5120	22	107	950	1.1	1230	160	3.5	0.6	0.27	0.35
Thurso	50	-26	-28	30	23	4820	23	91	800	0.9	950	160	2.4	0.4	0.31	0.40
Trois-Rivières	25	-25	-28	29	23	4900	20	107	860	1.0	1050	180	2.8	0.4	0.34	0.43
Val-d'Or	310	-33	-36	29	21	6180	20	86	640	0.8	925	100	3.4	0.3	0.25	0.32
Varennes	15	-24	-26	30	23	4500	23	96	810	0.9	1000	160	2.6	0.4	0.31	0.40
Verchères	15	-24	-26	30	23	4450	23	96	810	0.9	1000	160	2.7	0.4	0.34	0.43
Victoriaville	125	-26	-28	29	23	4900	21	102	850	1.0	1100	180	2.6	0.6	0.27	0.35
Ville-Marie	200	-31	-34	30	22	5550	23	96	630	0.8	825	120	2.3	0.4	0.31	0.40
Wakefield	120	-27	-30	30	23	4820	23	91	780	0.9	1020	160	2.4	0.4	0.27	0.34
Waterloo	205	-25	-27	29	23	4650	23	96	980	:	1250	160	2.5	0.4	0.27	0.35
Windsor	150	-25	-27	29	23	4700	23	96	930	1.0	1075	160	2.3	0.4	0.25	0.32
New Brunswick																
Alma	5	-21	-23	26	20	4500	18	144	1175	1.3	1450	260	2.6	0.6	0.37	0.48
Bathurst	10	-23	-26	30	22	5020	20	106	775	0.9	1020	180	4.1	0.6	0.37	0.48
Boiestown	65	-25	-28	29	21	4900	20	96	800	0.9	1075	180	3.6	0.6	0:30	0.39
Campbellton	30	-26	-28	29	22	5500	20	107	725	0.0	1025	180	4.3	0.4	0.35	0.45

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Tab	

			Design Temperature	nperature			15 Min	One	Ann		Ann.	Driv- ing Rain	Snow Load, kPa, 1/50	ad, kPa, 50	Hourly Wind Pressures, kPa	Wind es, kPa
Province and Location	Elev., m	January	Jary	July 2	2.5%		Bain,	Rain,	Rain,	Moist. Index	Pon.	Wind Pres-				
		2.5% °C	1% °C	Dry °C	Wet °C	18°C	E	1/50, mm	E		E E	sures, Pa, 1/5	လဳ	പ്	1/10	1/50
Edmundston	160	-27	-29	28	22	5320	23	91	750	0.9	1000	160	3.4	0.6	0.30	0.38
Fredericton	15	-24	-27	29	22	4670	22	112	006	1.0	1100	160	3.1	0.6	0.30	0.38
Gagetown	20	-24	-26	29	22	4460	20	112	006	1.0	1125	180	2.8	0.6	0.31	0.40
Grand Falls	115	-27	-30	28	22	5300	23	107	850	1.0	1100	160	3.6	0.6	0:30	0.38
Miramichi	5	-24	-26	30	22	4950	20	96	825	1.0	1050	200	3.4	0.6	0.32	0.41
Moncton	20	-23	-25	28	21	4680	20	112	850	1.0	1175	220	3.0	0.6	0.39	0.50
Oromocto	20	-24	-26	29	22	4650	22	112	006	1.0	1110	160	3.0	0.6	0.30	0.39
Sackville	15	-22	-24	27	21	4590	18	112	975	1.1	1175	220	2.5	0.6	0.38	0.49
Saint Andrews	35	-22	-24	25	20	4680	19	123	1000	1.2	1200	220	2.8	0.6	0.35	0.45
Saint John	5	-22	-24	25	20	4570	18	139	1100	1.3	1425	260	2.3	0.6	0.41	0.53
Shippagan	5	-22	-24	28	21	4930	18	96	800	1.0	1050	260	3.4	0.6	0.49	0.63
St. George	35	-21	-23	25	20	4680	18	123	1000	1.2	1200	220	2.8	0.6	0.35	0.45
St. Stephen	20	-24	-26	28	22	4700	20	123	1000	1.2	1160	180	2.9	0.6	0.33	0.42
Woodstock	60	-26	-29	30	22	4910	22	107	875	1.0	1100	160	3.1	0.6	0.29	0.37
Nova Scotia																
Amherst	25	-21	-24	27	21	4500	18	118	950	1.1	1150	220	2.4	0.6	0.37	0.48
Antigonish	10	-17	-20	27	21	4510	15	123	1100	1.3	1250	240	2.3	0.6	0.42	0.54
Bridgewater	10	-15	-17	27	20	4140	16	144	1300	1.5	1475	260	1.9	0.6	0.43	0.55
Canso	5	-13	-15	25	20	4400	15	123	1325	1.5	1400	260	1.7	0.6	0.48	0.61
Debert	45	-21	-24	27	21	4500	18	118	1000	1.2	1200	240	2.1	0.6	0.37	0.48
Digby	35	-15	-17	25	20	4020	15	130	1100	1.3	1275	260	2.2	0.6	0.43	0.55
Greenwood (CFB)	28	-18	-20	29	22	4140	16	118	925	1.1	1100	280	2.7	0.6	0.42	0.54
Halifax Region																
Dartmouth	10	-16	-18	26	20	4100	18	144	1250	1.4	1400	280	1.6	0.6	0.45	0.58
Halifax	55	-16	-18	26	20	4000	17	150	1350	1.5	1500	280	1.9	0.6	0.45	0.58
Kentville	25	-18	-20	28	21	4130	17	118	950	1.1	1200	260	2.6	0.6	0.42	0.54
Liverpool	20	-16	-18	27	20	3990	16	150	1325	1.5	1425	280	1.7	0.6	0.48	0.61

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Desi	gn Ten	Design Temperature	до <u>/</u>		15 Min. Bain	One Day	Ann. Bain	Moist.	Ann. Tot	Driv- ing Rain Wind	Snow Load, kPa, 1/50	ad, kPa, 50	Hourly Wind Pressures, kP	Hourly Wind Pressures, kPa
January °C 1% °C		Drv °C We	.5% Wet °C		Hain, mm	Hain, 1/50, mm	Hain, mm	Index	Ppn.,	Pres- sures,	လိ	Š	1/10	1/50
			ę	0001	ç	C T		-	110	Pa, 1/5	•		242	
<u>•</u> !		<u></u>		4000	Ω i	951	0021	4. I	1450	0.02	- (7	0.0 0	0.47	00.0
- !		07. 70		4530	CI .	118	1300	<u>.</u> .	0061	300	1.2	0.7	10.U	C0.U
-17		26	20	4140	16	144	1300	1.5	1450	260	9.1	0.6	0.48	0.61
-21		27	21	4320	15	135	975	. .	1200	260	2.2	0.6	0.43	0.55
-19		27	21	4500	15	123	1200	1.4	1475	300	2.4	0.6	0.46	0.59
-21		27	21	4310	15	107	950	1.1	1175	260	2.2	0.6	0.43	0.55
-19		27	21	4500	15	128	1325	1.5	1450	260	2.1	0.6	0.48	0.61
-23		27	21	4540	18	118	1075	1.2	1175	220	3.1	0.6	0.37	0.48
-22		27	21	4400	18	128	1050	1.2	1250	240	1.8	0.6	0.39	0.50
-19		27	21	4530	15	123	1200	1.4	1475	300	2.3	0.6	0.46	0.59
-23		27	21	4380	18	118	875	1.1	1150	260	2.2	0.6	0.43	0.55
-22		27	21	4500	18	118	1000	1.2	1175	240	2.0	0.6	0.37	0.48
-21		28	21	4140	17	118	975	1.1	1175	260	2.6	0.6	0.42	0.54
-16	CU.	22	19	3990	19	135	1125	<u>1.</u> 3	1260	280	1.8	0.6	0.44	0.56
-22		26	21	4460	16	107	006	1.1	1150	350	2.7	0.6	0.44	0.56
-21		27	21	4550	15	112	950	1.1	1130	350	2.7	0.6	0.45	0.58
-22		27	21	4600	16	112	825	<u>1.</u> 0	1060	350	3.1	0.6	0.47	0.60
-22		27	21	4770	16	96	800	1.0	1100	350	3.2	0.6	0.51	0.66
-14		21	18	4600	15	107	1250	1.5	1400	400	2.4	0.7	0.59	0.75
-16		24	19	5000	18	96	825	1.1	1010	400	3.1	0.6	0.66	0.84
-27		27	20	5250	13	107	850	1.0	1125	200	4.7	0.6	0.47	0.60
-31		26	16	0069	10	106	475	0.9	950	350	6.3	0.4	0.47	09.0
-13		19	18	4900	18	130	1425	1.7	1550	400	2.3	0.7	0.82	1.05
-15		19	18	5000	13	123	1175	1.4	1520	450	3.6	0.7	0.61	0.78

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			Design Temperature	nperature		Degree-	15 Min	One	un v		Ann.	Driv- ing Rain	Snow Load, kPa, 1/50	ad, kPa, i0	Hourly Wind Pressures, kPa	Wind s, kPa
Province and Location	Elev., m	January	lary	July 2	2.5%	Days Below	Bain,	Lay Rain,	Rain,	Moist. Index	Tot. Pnn	Wind Pres-				
		2.5% °C	1% °C	Dry °C	Wet °C	18°C	шш	1/50, mm	E	500	, E E	sures, Pa, 1/5	ഗ്	ഗ്	1/10	1/50
Corner Brook	35	-16	-18	26	20	4760	13	91	875	1.1	1190	300	3.7	0.6	0.43	0.55
Gander	125	-18	-20	27	20	5110	18	91	775	1.0	1180	280	3.7	0.6	0.47	0.60
Grand Bank	5	-14	-15	20	18	4550	15	123	1350	1.6	1525	400	2.4	0.7	0.58	0.74
Grand Falls	60	-26	-29	27	20	5020	15	86	775	1.0	1030	240	3.4	0.6	0.47	0.60
Happy Valley-Goose Bay	15	-31	-32	27	19	6670	18	80	575	0.8	960	160	5.3	0.4	0.33	0.42
Labrador City	550	-36	-38	24	17	7710	15	70	500	0.8	880	140	4.8	0.3	0.31	0.40
St. Anthony	10	-25	-27	22	18	6440	13	86	800	1.1	1280	450	6.1	0.6	0.68	0.87
Stephenville	25	-16	-18	24	19	4850	14	102	1000	1.2	1275	350	4.1	0.6	0.45	0.58
St. John's	65	-15	-16	24	20	4800	18	118	1200	1.4	1575	400	2.9	0.7	0.61	0.78
Twin Falls	425	-35	-37	24	17	7790	15	70	500	0.9	950	120	4.8	0.4	0.31	0.40
Wabana	75	-15	-17	24	20	4750	18	112	1125	1.3	1500	400	3.0	0.7	0.59	0.75
Wabush	550	-36	-38	24	17	7710	15	70	500	0.8	880	140	4.8	0.3	0.31	0.40
Yukon																
Aishihik	920	-44	-46	23	15	7500	8	43	190	0.6	275	40	1.9	0.1	0.27	0.38
Dawson	330	-50	-51	26	16	8120	10	49	200	0.6	350	40	2.9	0.1	0.22	0.31
Destruction Bay	815	-43	-45	23	14	7800	8	49	190	0.6	300	80	1.9	0.1	0.42	09.00
Faro	670	-46	-47	25	16	7300	10	33	215	0.6	315	40	2.3	0.1	0.26	0.35
Haines Junction	600	-45	-47	24	14	7100	8	51	145	0.6	315	180	2.2	0.1	0.24	0.34
Snag	595	-51	-53	23	16	8300	80	59	290	0.6	350	40	2.2	0.1	0.22	0.31
Teslin	069	-42	-44	24	15	6770	10	38	200	0.5	340	40	3.0	0.1	0.26	0.34
Watson Lake	685	-46	-48	26	16	7470	10	54	250	0.6	410	60	3.2	0.1	0.26	0.35
Whitehorse	655	-41	-43	25	15	6580	8	43	170	0.5	275	40	2.0	0.1	0.29	0.38
Northwest Territories																
Aklavik	5	-42	-44	26	17	9600	9	49	115	0.7	250	60	2.8	0.1	0.31	0.40
Behchokỳ / Rae-Edzo	160	-42	-44	25	17	8300	10	60	175	0.6	275	80	2.3	0.1	0.31	0.40
Echo Bay / Port Radium	195	-42	-44	22	16	9300	8	60	160	0.7	250	80	3.0	0.1	0.41	0.53

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Table	

•		1/50	0.44	0.40	0.35	0.39	0.39	0.39	0.35	0.40	0.58	0.44	0.44	0.86	0.39	0.40		0.75	0.55	0.58	0.54	0.55	0.56	0.65	0.50	0.6	0.6	0.55
Pressures, kPa		1/10	0.34	0.31	0.27	0.30	0.30	0.30	0.27	0.31	0.45	0.34	0.34	0.67	0.30	0.31		0.59	0.43	0.45	0.42	0.43	0.44	0.51	0.39	0.47	0.47	0.43
		-																										
Snow Load, kPa, 1/50		ഗ്	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2
Snow		လိ	2.9	3.2	2.4	2.3	2.3	2.3	2.4	3.1	1.5	3.0	4.3	2.1	2.8	2.2		2.6	2.4	3.0	3.4	1.6	3.6	2.9	1.9	1.9	3.0	4.2
Driv- ing Rain	Wind Pres-	sures, Pa, 1/5	80	60	100	140	80	80	140	60	140	80	40	120	80	100		100	160	240	180	100	240	200	100	140	240	220
Ann	Tot. Pnn	u u u	280	315	350	300	360	350	325	425	100	320	640	250	350	275		150	150	300	260	70	270	433	140	75	250	225
,	Moist. Index		0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.7	0.9	0.6	0.8	0.9	0.6	0.6		1.0	0.9	0.9	0.8	1.0	<u>6</u> .0	0.9	0.9	1.0	0.9	0.9
Ann	Rain,	E	140	145	210	175	225	250	200	115	25	165	315	80	220	175		20	60	225	160	25	175	200	70	25	180	55
One Dav	Rain,	1/50, mm	60	50	71	60	76	65	60	49	33	60	44	44	54	60		22	38	65	55	27	60	58	38	27	65	44
15 Min	Bain,	ШШ	6	9	10	10	12	10	10	9	З	6	10	З	10	10		S	c	8	5	С	5	5	4	3	5	5
Degree-	Days Below	18°C	8700	9150	7620	7750	7660	7300	7550	9600	12900	8510	7700	10700	8050	8170		13030	11900	9850	10700	13500	10500	9980	11670	13600	10500	11300
	2.5%	Wet °C	18	17	18	18	19	19	18	17	8	18	16	12	18	17		8	10	16	15	8	14	12	13	6	15	10
nperature	July 2.	Dry °C	28	26	28	26	28	28	27	26	11	28	26	18	28	25		13	14	22	23	12	20	17	18	12	21	14
Design Temperature	ary	1% °C	-45	-46	-43	-42	-44	-43	-41	-45	-46	-45	-51	-41	-44	-44		-44	-44	-41	-44	-48	-41	-41	-44	-48	-42	-42
	January	2.5% °C	-43	-44	-40	-40	-42	-41	-38	-43	-44	-43	-49	-39	-42	-41		-43	-42	-40	-42	-47	-40	-40	-41	-46	-41	-40
	Elev., m		100	25	150	160	120	205	45	45	5	65	1340	10	80	160		5	15	5	5	5	10	45	15	10	10	ß
	Province and Location		Fort Good Hope	Fort McPherson	Fort Providence	Fort Resolution	Fort Simpson	Fort Smith	Hay River	Inuvik	Mould Bay	Norman Wells	Tungsten	Ulukhaktok / Holman	Wrigley	Yellowknife	Nunavut	Alert	Arctic Bay	Arviat	Baker Lake	Eureka	Igluligaarjuk / Chesterfield Inlet	Iqaluit	Iqaluktuuttiaq / Cambridge Bay	Isachsen	Kangiqiniq / Rankin Inlet	Kanngiqtugaapik / Clyde River

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			-				
Hourly Wind Pressures, kPa		1/50	0.46	0.78	0.59	1.23	0.58
Hourly Pressur		1/10	0.36	0.61	0.46	0.96	0.45
Snow Load, kPa, 1/50		പ്	0.1	0.2	0.1	0.2	0.2
Snow Lo 1/!		လိ	3.4	4.7	2.0	5.5	3.8
Driv- ing Rain	Wind Pres-	sures, Pa, 1/5	80	200	180	200	200
Ann.	Tot.	E E E	150	325	140	550	280
	Moist. Index		0.8	0.0	0.9	0.0	0.9
Ann	Rain,	шш	140	175	50	240	150
One Dav	Rain,	1/50, mm	65	54	27	71	65
15 Min	Rain,	шш	9	5	ი	5	5
Degree-	Days Below	18°C	10300	10000	12360	0006	10720
	2.5%	Wet °C	16	13	6	10	14
nperature	July 2.5%	Dry °C	23	16	ŧ	12	20
Design Tempe	ary	2.5% °C 1% °C	-43	-39	-43	-34	-42
	January	2.5% °C	-41	-37	-42	-32	-41
	Elev., m		10	30	25	5	15
	Province and Location		Kugluktuk / Coppermine	Nottingham Island	Resolute	Resolution Island	Salliq / Coral Harbour

Table C-2 (Continued)

Table C-2 (Continued)



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