



## **Design Limitations and Tables for Lintels**





### Design Limitations

1. These tables apply to residential buildings ONLY that conform to the requirements of the appropriate building codes or design guides that are already recognized within the official American and Canadian product evaluation reports produced for NUDURA Corporation. It is assumed that construction will comply with the appropriate, local building codes, which may include:

- USA: Chapters R404 and R611 of the International Residential Codes (2000 and 2003)
- USA: EB 118: "Prescriptive Requirements for Insulating Concrete Forms in Residential Construction, 2<sup>nd</sup> Edition" published by the Portland Cement Association
- Canada: Part 9 of the National Building Code of Canada and all applicable Canadian Provincial Codes (1995).

NOTE: If the proposed construction does not meet the design or applicability parameters noted herein, a local design professional shall be retained to prepare the design in accordance with applicable standards.

2. The following maximum UNFACTORED loads were assumed in the design of the lintels featured in this appendix:
  - A) Roof Snow Load (Live) = 84 psf (4.0 kPa)
  - B) Occupancy Load (Live) = 40 psf (1.9 kPa)
  - C) Roof and Floor Load (Dead) = 15 psf (0.7 kPa)
  - D) Concrete Density (Dead) = 150 lb/ft<sup>3</sup> (23.6 kN/m<sup>3</sup>)
  - E) Brick Density (Dead) = 128 lb/ft<sup>3</sup> (20.0 kN/m<sup>3</sup>)
3. The uniformly distributed loads indicated within the tables of this appendix are UNFACTORED and are also assumed in the design of the lintels in conjunction with the un-factored loads stated in Note 2.
4. The uniformly distributed load is calculated by multiplying the floor loads, live (LL) and dead (DL), by the tributary floor or roof width. The tributary floor/roof width (TW) is determined by adding half the span of each rafter/joist bearing on the



concrete lintel. For example, a lintel supporting floor joists spanning 10'-0" on one side only, the uniformly distributed load (UDL) is calculated as follows:

$$\text{UDL} = \text{TW} (\text{LL} + \text{DL}) = 10\text{ft}/2 (40 \text{ psf} + 15 \text{ psf}) = 275 \text{ lbs/ft}$$

5. Design deflection for the lintel tables within this appendix is limited to L/360.
6. Design is limited to 1 floor below grade and a maximum of 2 storeys above grade.
7. Maximum floor clear span = 24 ft (7.32 m).
8. Maximum roof clear span = 40 ft (12.2 m).
9. Lintels are designed for uniformly distributed gravity loads only. A local design professional shall be retained to prepare the design of lintels to resist lateral loads or point loads, such as concentrated loads created by girder trusses, columns and beams, in accordance with applicable standards.
10. Minimum lintel reinforcing shall consist of the following:
  - A minimum of 1-#4 (10M) top bar located 1½" (38 mm) from top of lintel that extends a minimum of 24" (610mm) past each side of the wall opening.
  - Bottom bars are to be supplied per quantity and diameter indicated within the lintel tables of this appendix, installed with a concrete cover of 1½" (38mm) and shall extend a minimum of 24" (610 mm) past each side of the wall opening.
  - When required, minimum # 4 (10M) hook stirrups shall be installed around top and bottom bars, per the dimensions and required spacing as indicated in the Tables and Drawing L1, located at the end of this section.
11. Lintel steel specifications in Note 9 assume that horizontal # 4 (10M) continuous wall reinforcing is being maintained either side of the wall opening at 18" (457 mm) o.c.
12. Where there is less than 12" (305 mm) of wall between openings, the lintel shall be reinforced to span over both openings.



13. Where there is less than 24" (610 mm) of wall between openings, and openings are greater than 5'-0" (1.53 m) in length, the lintel shall be reinforced to span over both openings.

14. Construction joints shall not be installed within 24" (610 mm) of any wall opening.

15. Minimum bar lap length shall be as follows:

- A) 18" (457 mm) for #4 (10M) bars
- B) 26" (660 mm) for #5 (15M) bars
- C) 30" (762 mm) for #6 (20M) bars

16. Where bars within a lintel cannot achieve a minimum concrete side cover and spacing of 1½" (38 mm), the bars are required to be bundled. The following notes apply to all bundled bars:

- A) A maximum of 4 parallel reinforcing bars may be bundled together in contact with each other, and assumed to act as a single unit. Bundled bars shall be tied, wired, or otherwise fastened together to ensure that they remain in position.
- B) Individual bars within a given bundle of bars may terminate within the span of a lintel (or flexural member). However, the bars shall terminate at different points that occur at least 40 bar diameters apart from each other.
- C) In any given bundle of bars, that is loaded in either tension or compression, the splice length and development length of bars within the bundle, shall be that for the individual bar, AND increased by 10% for a 2-bar bundle, 20% for a 3-bar bundle, and 33% for a 4-bar bundle. Again, as noted in sub-note (B) above, individual bar splices within a bundle shall not overlap.

17. Concrete work shall conform to the latest editions of the following standards for materials and workmanship:

- USA: ACI 318
- CAN: C.S.A. A23.1,2,3





18.Reinforcing Steel shall be deformed rebar, placed in accordance with the manuals of standard practice for either the USA or Canada and shall be supplied at the following yield strengths:

- USA: 60,000 ksi
- CAN: Grade 400 (400 mPa)

19.The minimum 28 day compressive strength of concrete shall be 3000 psi (20 MPa).

20.All work shall conform to the latest editions of ANY of the following codes and standards that are deemed applicable for your region:

USA:

- International Residential Code 2000 or 2003
- BOCA National Building Code 1999
- Standard Building Code 1999
- Uniform Building Code 1997
- Florida Building Code 2001 or 2004
- Other local State or regional building code, local regulations and bylaws
- Occupational Safety and Health Association Regulations (OSHA).

CAN:

- National Building Code of Canada 1995
- Other local Provincial or regional building code, local regulations and bylaws
- Workplace and Hazardous Material Health and Safety (WHMS) & Ontario Ministry of Labour Safety Regulations.

21.The contractor shall make adequate provision for construction loads and temporary bracing to keep structure plumb and in true alignment at all phases of construction.

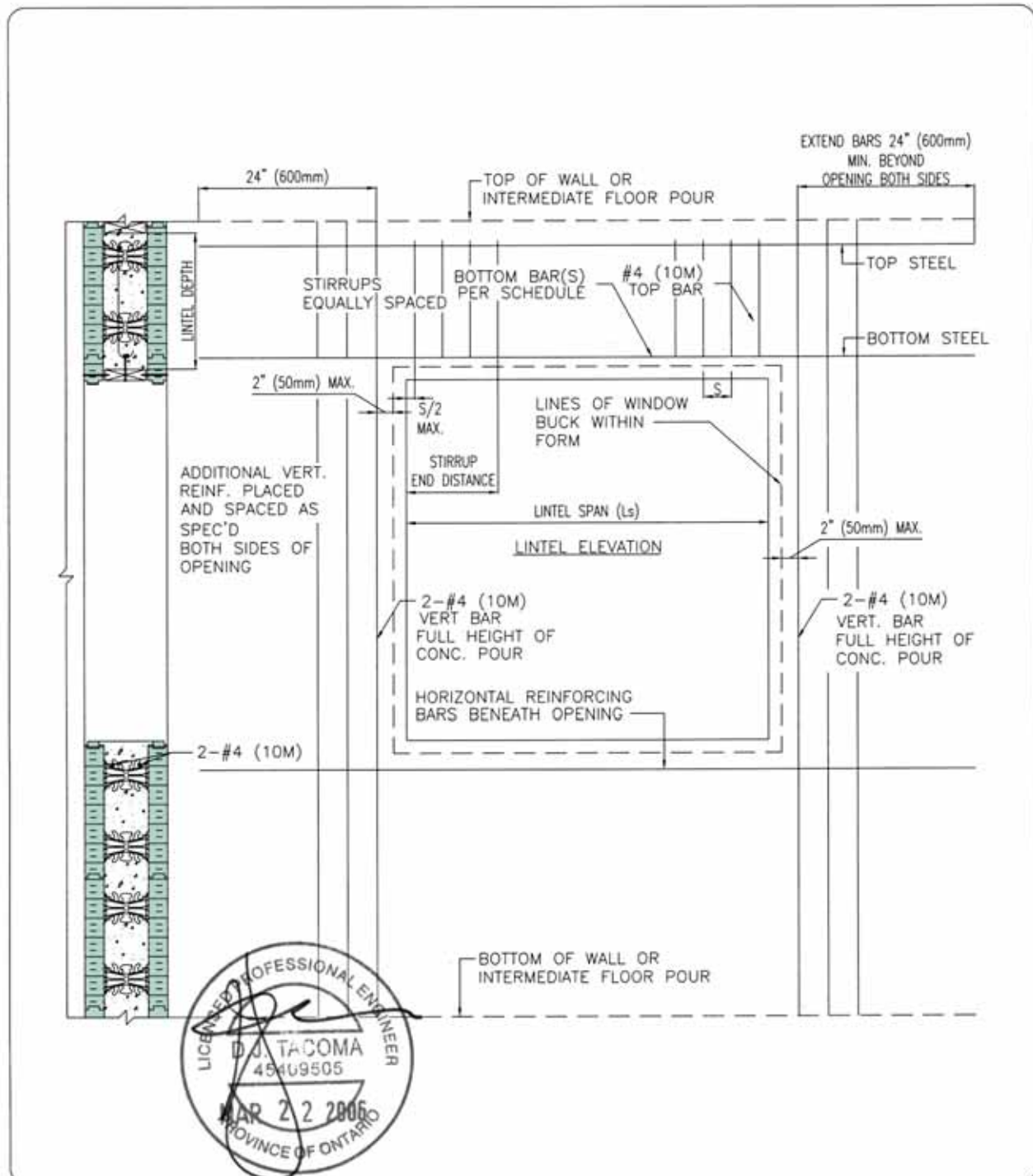
22.Top of lintels shall be laterally supported by building roof and floor systems, designed by others.

23.The contractor shall employ high frequency vibration to place all concrete.



4. The contractor shall take adequate measures to protect concrete from exposure to freezing temperatures and precipitation for at least seven days after concrete placement.

## E LINTEL TABLES DIAGRAM



**E** **LINTEL TABLES (L4-9M)**

| 225mm Lintel Depth |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|--------------------|---------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
| Opening Width      | Uniformly Distributed Load KN/m |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|                    | 7.0 KN/m                        |                   | 10.5 KN/m           |                   | 14.0 KN/m           |                   | 17.5 KN/m           |                   | 21.0 KN/m           |                   | 24.5 KN/m           |                   |
|                    | 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. |
| 900mm              | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 200               |
| 1200mm             | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 250               | 1-15M               | 350               | 1-15M               | 350               |
| 1500mm             | 1-10M                           | 0                 | 1-10M               | 0                 | 1-15M               | 350               | 1-15M               | 400               | 1-15M               | 500               |                     |                   |
| 1800mm             | 1-10M                           | 0                 | 1-15M               | 350               | 1-15M               | 500               | 1-20M               | 550               |                     |                   |                     |                   |
| 2400mm             | 1-15M                           | 350               | 1-20M               | 650               |                     |                   |                     |                   |                     |                   |                     |                   |
| 3000mm             | 2-15M                           | 650               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 3600mm             |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 4200mm             |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 4800mm             |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 5400mm             |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 6000mm             |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |

**NOTES:**

1. Stirrup Spacing = 102 mm

2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

**All Stirrup End Distance measurements above are listed in mm**

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5

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**TACOMA ENGINEERS**

Table Prepared by:

**L 4-9M**

100mm Thick  
225mm Deep  
Lintels

Table No.

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**E LINTEL TABLES ( L4-9I)**

| 9" Lintel Depth |                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|-----------------|-----------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
| Opening Width   | Uniformly Distributed Load lbs/ft |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|                 | 480 lbs/ft                        | 715 lbs/ft        | 955 lbs/ft          | 1195 lbs/ft       | 1435 lbs/ft         | 1675 lbs/ft       | 1915 lbs/ft         | 2155 lbs/ft       | 2395 lbs/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. |
| 3'-0"           | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 12"               |
| 4'-0"           | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 10"               | 1-#4                | 10"               | 1-#4                | 10"               | 1-#4                | 16"               |
| 5'-0"           | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 16"               | 1-#4                | 16"               | 1-#4                | 16"               | 1-#4                | 20"               |
| 6'-0"           | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 22"               | 1-#4                | 22"               | 1-#4                | 22"               | 1-#4                | 26"               |
| 8'-0"           | 1-#5                              | 14"               | 1-#5                | 14"               | 1-#5                | 20"               | 1-#5                | 20"               | 1-#5                | 20"               | 1-#5                | 26"               |
| 10'-0"          | 2-#5                              | 26"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 12'-0"          |                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 14'-0"          |                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 16'-0"          |                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 18'-0"          |                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 20'-0"          |                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |

**NOTES:**

1. Stirrup Spacing = 4"
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For Imperial dimension based projects within Canada using metric bar sizes - the following substitutions are applicable #4 = 10M #5 = 15M #6 = 20M 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5

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**TACOMA ENGINEERS**  
Table Prepared by:

4" Thick  
9" Deep  
Lintels  
Table No. L 4-9I

**E** **LINTEL TABLES (L4-12M)**

| 300mm Lintel Depth              |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |       |     |
|---------------------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|-------|-----|
| Uniformly Distributed Load KN/m |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |       |     |
| Opening Width                   | 7.0 KN/m            |                   |                   | 10.5 KN/m           |                   |                   | 14.0 KN/m           |                   |                   | 17.5 KN/m           |                   |                   | 21.0 KN/m           |                   |                   | 24.5 KN/m           |                   |                   | 28.0 KN/m           |                   |                   | 31.5 KN/m           |                   |                   | 35.0 KN/m           |                   |                   |       |     |
|                                 | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. |       |     |
| 900mm                           | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 |       |     |
| 1200mm                          | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 350               | 400               | 1-10M               | 450               | 500               | 1-10M               | 550               | 600               | 1-10M               | 650               | 700               | 1-15M + 1-20M       | 1050              | 1050              | 1-15M               | 600               | 650               | 1-15M | 500 |
| 1500mm                          | 1-10M               | 0                 | 0                 | 1-10M               | 350               | 450               | 1-10M               | 500               | 550               | 1-10M               | 600               | 650               | 1-10M               | 700               | 750               | 1-10M               | 800               | 850               | 1-10M               | 900               | 950               | 1-15M + 1-20M       | 1050              | 1050              | 1-15M               | 600               | 650               | 1-15M | 500 |
| 1800mm                          | 1-10M               | 300               | 300               | 1-10M               | 500               | 600               | 1-10M               | 600               | 650               | 1-10M               | 700               | 750               | 1-10M               | 800               | 850               | 1-10M               | 900               | 950               | 1-10M               | 1000              | 1050              | 1-15M + 1-20M       | 1050              | 1050              | 1-15M               | 600               | 650               | 1-15M | 500 |
| 2400mm                          | 1-15M               | 600               | 600               | 1-15M               | 800               | 900               | 1-15M               | 900               | 950               | 1-15M               | 1000              | 1050              | 1-15M               | 1100              | 1150              | 1-15M               | 1200              | 1250              | 1-15M               | 1300              | 1350              | 1-15M + 1-20M       | 1050              | 1050              | 1-15M               | 600               | 650               | 1-15M | 500 |
| 3000mm                          | 1-15M               | 900               | 900               | 1-20M               | 1100              | 1200              | 1-20M               | 1200              | 1250              | 1-20M               | 1300              | 1350              | 1-20M               | 1400              | 1450              | 1-20M               | 1500              | 1550              | 1-20M               | 1600              | 1650              | 1-20M + 1-25M       | 1050              | 1050              | 1-20M               | 600               | 650               | 1-20M | 500 |
| 3600mm                          | 1-20M               | 1200              | 1200              | 1-15M + 1-20M       | 1400              | 1500              | 1-15M + 1-20M       | 1500              | 1550              | 1-15M + 1-20M       | 1600              | 1650              | 1-15M + 1-20M       | 1700              | 1750              | 1-15M + 1-20M       | 1800              | 1850              | 1-15M + 1-20M       | 1900              | 1950              | 1-15M + 1-20M       | 1050              | 1050              | 1-20M               | 600               | 650               | 1-20M | 500 |
| 4200mm                          | 1-15M + 1-20M       | 1500              | 1500              |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |       |     |
| 4800mm                          |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |       |     |
| 5400mm                          |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |       |     |
| 6000mm                          |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |       |     |

NOTES:  
 1. Stirrup Spacing = 152 mm  
 2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

All Stirrup End Distance measurements above are listed in mm

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5



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Table Prepared by:



100mm Thick  
 300mm Deep  
 Lintels  
 Table No.  
**L 4-12M**

**E** LINTEL TABLES (L4-12I)

| Opening Width | 12" Lintel Depth                  |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|---------------|-----------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
|               | Uniformly Distributed Load lbs/ft |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|               | 480 lbs/ft                        |                   | 715 lbs/ft          |                   | 955 lbs/ft          |                   | 1195 lbs/ft         |                   | 1435 lbs/ft         |                   | 1675 lbs/ft         |                   | 1915 lbs/ft         |                   | 2155 lbs/ft         |                   | 2395 lbs/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. |
| 3'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 16"               | 1-#4                | 18"               | 1-#4                | 12"               | 1-#4                | 14"               |
| 4'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 14"               | 1-#4                | 16"               | 1-#4                | 18"               | 1-#4                | 18"               | 1-#5                | 20"               | 1-#5                | 20"               |
| 5'-0"         | 1-#4                              | 0"                | 1-#4                | 14"               | 1-#4                | 18"               | 1-#4                | 20"               | 1-#5                | 22"               | 1-#5                | 24"               | 1-#5                | 24"               | 1-#5                | 26"               | 1-#2                | 26"               |
| 6'-0"         | 1-#4                              | 12"               | 1-#4                | 20"               | 1-#5                | 24"               | 1-#5                | 26"               | 1-#5                | 28"               | 1-#6                | 30"               | 1-#6                | 30"               | 1-#6                | 32"               | 2-#6                | 32"               |
| 8'-0"         | 1-#5                              | 24"               | 1-#5                | 32"               | 1-#6                | 36"               | 1-#6                | 38"               | 2-#5                | 40"               | 1-#5 + 1-#6         | 42"               |                     |                   |                     |                   |                     |                   |
| 10'-0"        | 1-#5                              | 36"               | 1-#6                | 44"               | 2-#5                | 48"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 12'-0"        | 1-#6                              | 48"               | 1-#5 + 1-#6         | 56"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 14'-0"        | 1-#5 + 1-#6                       | 60"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 16'-0"        |                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 18'-0"        |                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 20'-0"        |                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |

NOTES:

1. Stirrup Spacing = 6"

2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For imperial dimension based projects within Canada using #4 = 10M metric bar sizes - the following substitutions are applicable #5 = 15M 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5

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4" Thick  
12" Deep  
Lintels

Table No.  
L 4-12I

**NOTES:**

1. Stirrup Spacing = 6"
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For Imperial dimension based projects within Canada using #4 = 10M metric bar sizes - the following substitutions are applicable #5 = 15M #6 = 20M  
 1-#4 + 1-#5 may be substituted for 1-#6  
 2-#4 may be substituted for 1-#5



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Table Prepared by:



4" Thick  
12" Deep  
Lintels

Table No.  
**L 4-12I**



**E** **LINTEL TABLES (L4-15M)**

| 375mm Lintel Depth              |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |   |           |  |  |
|---------------------------------|---------------------|-------------------|--|---------------------|-------------------|--|---------------------|-------------------|--|---------------------|-------------------|--|---------------------|-------------------|--|---------------------|-------------------|--|---------------------|-------------------|--|---------------------|-------------------|---|-----------|--|--|
| Uniformly Distributed Load KN/m |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |   |           |  |  |
| Opening Width                   | 7.0 KN/m            |                   |  | 10.5 KN/m           |                   |  | 14.0 KN/m           |                   |  | 17.5 KN/m           |                   |  | 21.0 KN/m           |                   |  | 24.5 KN/m           |                   |  | 28.0 KN/m           |                   |  | 31.5 KN/m           |                   |   | 35.0 KN/m |  |  |
|                                 | 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. |   |           |  |  |
| 900mm                           | 1-10M               | 0                 |  | 1-10M               | 0                 |  | 1-10M               | 0                 |  | 1-10M               | 0                 |  | 1-10M               | 0                 |  | 1-10M               | 0                 |  | 1-10M               | 0                 |  | 1-10M               | 0                 |   | 0         |  |  |
| 1200mm                          | 1-10M               | 0                 |  | 1-10M               | 0                 |  | 1-10M               | 0                 |  | 1-10M               | 0                 |  | 1-10M               | 0                 |  | 1-10M               | 0                 |  | 1-10M               | 0                 |  | 1-10M               | 0                 |   | 0         |  |  |
| 1500mm                          | 1-10M               | 0                 |  | 1-10M               | 0                 |  | 1-10M               | 0                 |  | 1-10M               | 0                 |  | 1-10M               | 0                 |  | 1-10M               | 0                 |  | 1-10M               | 0                 |  | 1-10M               | 0                 |   | 0         |  |  |
| 1800mm                          | 1-10M               | 0                 |  | 1-10M               | 400               |  | 1-10M               | 500               |  | 1-15M               | 600               |  | 1-15M               | 650               |  | 1-15M               | 700               |  | 1-15M               | 750               |  | 1-15M               | 800               |   | 0         |  |  |
| 2400mm                          | 1-10M               | 450               |  | 1-15M               | 700               |  | 1-15M               | 800               |  | 1-15M               | 900               |  | 1-20M + 1-15M       | 950               |  | 1-20M + 1-15M       | 1000              |  | 1-20M + 1-15M       | 1050              |  | 1-20M + 1-15M       | 1100              |   | 0         |  |  |
| 3000mm                          | 1-15M               | 750               |  | 1-15M               | 1000              |  | 1-20M               | 1100              |  | 2-15M               | 1200              |  | 2-20M + 1-10M       | 1250              |  | 2-20M + 1-10M       | 1300              |  | 2-20M + 1-10M       | 1350              |  | 2-20M + 1-10M       | 1400              |   | 0         |  |  |
| 3600mm                          | 1-15M               | 1050              |  | 1-20M               | 1300              |  | 2-15M               | 1400              |  | 2-20M               | 1500              |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   | 0 |           |  |  |
| 4200mm                          | 1-20M               | 1350              |  | 1-20M + 1-15M       | 1600              |  | 2-20M + 1-10M       | 1700              |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   | 0 |           |  |  |
| 4800mm                          | 2-15M               | 1650              |  | 2-20M + 1-10M       | 1900              |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   | 0 |           |  |  |
| 5400mm                          | 2-20M               | 1950              |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   | 0 |           |  |  |
| 6000mm                          | 2-20M + 1-15M       | 2250              |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   |  |                     |                   | 0 |           |  |  |

NOTES:

1. Stirrup Spacing = 203 mm
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5

100mm Thick  
375mm Deep  
Lintels

Table No. L 4-15M

TACOMA ENGINEERS

Table Prepared by:

PROFESSIONAL ENGINEER  
TACOMA ENGINEERS  
MAR 22 2006  
PROVINCE OF ONTARIO

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NOTES:  
 1. Stirrup Spacing = 203 mm  
 2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".  
 For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5



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**TACOMA**  
ENGINEERS

Table Prepared by:



100mm Thick  
375mm Deep  
Lintels  
Table No.  
**L 4-15M**



**E LINTEL TABLES (L4-15I)**

| 15" Lintel Depth |                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |
|------------------|-----------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|
| Opening Width    | Uniformly Distributed Load lbs/ft |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |
|                  | 480 lbs/ft                        | 715 lbs/ft        | 955 lbs/ft          | 1195 lbs/ft       | 1435 lbs/ft         | 1675 lbs/ft       | 1915 lbs/ft         | 2155 lbs/ft       | 2395 lbs/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 |
| 3'-0"            | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                |
| 4'-0"            | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 16"               | 1-#4                | 16"               | 1-#4                | 18"               | 1-#4                |
| 5'-0"            | 1-#4                              | 0"                | 1-#4                | 14"               | 1-#4                | 18"               | 1-#4                | 20"               | 1-#4                | 22"               | 1-#5                | 24"               | 1-#5                |
| 6'-0"            | 1-#4                              | 0"                | 1-#4                | 20"               | 1-#4                | 24"               | 1-#5                | 26"               | 1-#5                | 28"               | 1-#5                | 30"               | 1-#6                |
| 8'-0"            | 1-#4                              | 18"               | 1-#5                | 32"               | 1-#5                | 36"               | 1-#5                | 38"               | 1-#6                | 40"               | 2-#5                |                   |                     |
| 10'-0"           | 1-#5                              | 30"               | 1-#5                | 40"               | 1-#6                | 48"               | 2-#5                | 50"               | 1-#5 + 1-#6         |                   |                     |                   |                     |
| 12'-0"           | 1-#5                              | 42"               | 1-#6                | 52"               | 2-#5                | 60"               | 2-#6                |                   |                     |                   |                     |                   |                     |
| 14'-0"           | 1-#6                              | 54"               | 1-#5 + 1-#6         | 64"               | 2-#6 + 1-#4         | 68                |                     |                   |                     |                   |                     |                   |                     |
| 16'-0"           | 2-#5                              | 66"               | 1-#4 + 2-#6         | 78"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |
| 18'-0"           | 2-#6                              | 78"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |
| 20'-0"           | 2-#6 + 1-#5                       | 90"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |

**NOTES:**

1. Stirrup Spacing = 8"
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For imperial dimension based projects within Canada using metric bar sizes - the following substitutions are applicable: #4 = 10M, #5 = 15M, #6 = 20M. The smaller diameter of 10M bar has already been factored within the required steel for each scenario. 1-#4 + 1-#5 may be substituted for 1-#6. 2-#4 may be substituted for 1-#5.



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Table Prepared by:

4" Thick  
15" Deep  
Lintels  
Table No.  
**L 4-15I**



**E** **LINTEL TABLES (L4-18M)**

| <b>450mm Lintel Depth</b> |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|---------------------------|---------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
| Opening Width             | Uniformly Distributed Load KN/m |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|                           | 7.0 KN/m                        |                   | 10.5 KN/m           |                   | 14.0 KN/m           |                   | 17.5 KN/m           |                   | 21.0 KN/m           |                   | 24.5 KN/m           |                   | 28.0 KN/m           |                   | 31.5 KN/m           |                   |
|                           | 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. |
| 900mm                     | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 |
| 1200mm                    | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 |
| 1500mm                    | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 |
| 1800mm                    | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 |
| 2400mm                    | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 |
| 3000mm                    | 1-10M                           | 600               | 1-15M               | 850               | 1-15M               | 1000              | 1-20M               | 1100              | 1-15M               | 800               | 1-15M               | 900               | 1-20M               | 950               | 1-20M               | 1000              |
| 3600mm                    | 1-15M                           | 900               | 1-20M               | 1150              | 1-20M               | 1300              | 2-15M               | 1400              | 1-15M + 1-20M       | 1500              | 2-15M               | 1200              | 1-15M + 1-20M       | 1250              | 2-15M               | 1300              |
| 4200mm                    | 1-20M                           | 1200              | 2-15M               | 1450              | 1-15M + 1-20M       | 1600              | 2-20M               | 1700              | 1-15M + 1-20M       | 1800              | 2-20M               | 1500              | 1-15M + 1-20M       | 1600              | 2-20M               | 1700              |
| 4800mm                    | 1-20M                           | 1500              | 1-15M + 1-20M       | 1750              | 1-10M + 2-20M       | 1900              |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 5400mm                    | 2-15M                           | 1800              | 2-20M               | 2050              |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 6000mm                    | 1-15M + 1-20M                   | 2100              | 3-20M               | 2350              |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |

**NOTES:**

1. Stirrup Spacing = 254 mm
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

**All Stirrup End Distance measurements above are listed in mm**

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5



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Table Prepared by:



**100mm Thick  
450mm Deep  
Lintels**  
**Table No.  
L 4-18M**



**E LINTEL TABLES (L4-18I)**

| Opening Width | Uniformly Distributed Load lbs/ft |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |
|---------------|-----------------------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|
|               | 480 lbs/ft                        |                   |                   | 715 lbs/ft          |                   |                   | 955 lbs/ft          |                   |                   | 1195 lbs/ft         |                   |                   | 1435 lbs/ft         |                   |                   | 1675 lbs/ft         |                   |                   | 1915 lbs/ft         |                   |                   | 2155 lbs/ft         |                   |                   | 2395 lbs/ft         |                   |                   |
|               | Bottom Reinf. Steel               | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. |
| 3'-0"         | 1-#4                              | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                |
| 4'-0"         | 1-#4                              | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                |
| 5'-0"         | 1-#4                              | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                |
| 6'-0"         | 1-#4                              | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                | 1-#4                | 0"                | 0"                |
| 8'-0"         | 1-#4                              | 0"                | 0"                | 1-#4                | 22"               | 28"               | 1-#5                | 40"               | 52"               | 1-#6                | 46"               | 58"               | 2-#5                | 48"               | 64"               | 1-#5 + 1-#6         | 50"               | 68"               | 2-#6                | 50"               | 68"               | 2-#6                | 50"               | 68"               | 2-#6                | 50"               | 68"               |
| 10'-0"        | 1-#4                              | 24"               | 36"               | 1-#5                | 34"               | 40"               | 1-#5                | 40"               | 52"               | 1-#6                | 46"               | 58"               | 2-#5                | 48"               | 64"               | 1-#5 + 1-#6         | 50"               | 68"               | 2-#6                | 50"               | 68"               | 2-#6                | 50"               | 68"               | 2-#6                | 50"               | 68"               |
| 12'-0"        | 1-#5                              | 36"               | 48"               | 1-#6                | 46"               | 52"               | 1-#6                | 46"               | 58"               | 2-#5                | 48"               | 64"               | 1-#5 + 1-#6         | 50"               | 68"               | 2-#6                | 50"               | 68"               | 2-#6                | 50"               | 68"               | 2-#6                | 50"               | 68"               | 2-#6                | 50"               | 68"               |
| 14'-0"        | 1-#6                              | 48"               | 60"               | 2-#5                | 58"               | 70"               | 1-#5 + 1-#6         | 64"               | 76"               | 2-#6                | 50"               | 68"               | 2-#6                | 50"               | 68"               | 2-#6                | 50"               | 68"               | 2-#6                | 50"               | 68"               | 2-#6                | 50"               | 68"               | 2-#6                | 50"               | 68"               |
| 16'-0"        | 1-#6                              | 60"               | 72"               | 2-#5                | 68"               | 80"               | 1-#5 + 1-#6         | 76"               | 88"               | 2-#6                | 50"               | 68"               | 2-#6                | 50"               | 68"               | 2-#6                | 50"               | 68"               | 2-#6                | 50"               | 68"               | 2-#6                | 50"               | 68"               | 2-#6                | 50"               | 68"               |
| 18'-0"        | 2-#5                              | 72"               | 84"               | 2-#6                | 82"               | 94"               | 2-#6                | 82"               | 94"               | 2-#6                | 82"               | 94"               | 2-#6                | 82"               | 94"               | 2-#6                | 82"               | 94"               | 2-#6                | 82"               | 94"               | 2-#6                | 82"               | 94"               | 2-#6                | 82"               | 94"               |
| 20'-0"        | 1-#5 + 1-#6                       | 84"               | 96"               | 3-#6                | 94"               | 106"              | 3-#6                | 94"               | 106"              | 3-#6                | 94"               | 106"              | 3-#6                | 94"               | 106"              | 3-#6                | 94"               | 106"              | 3-#6                | 94"               | 106"              | 3-#6                | 94"               | 106"              | 3-#6                | 94"               | 106"              |

NOTES:

1. Stirrup Spacing = 10"

2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For Imperial dimension based projects within Canada using #4 = 10M metric bar sizes - the following substitutions are applicable #5 = 15M #6 = 20M 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5

Table No.

L 4-18I

4" Thick

18" Deep

Lintels

Table No.

L 4-18I

TACOMA

ENGINEERS

PROFESSIONAL ENGINEER

TACOMA

DL5499505

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NOTES:  
 1. Stirrup Spacing = 10"  
 2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".  
 For Imperial dimension based projects within Canada using #4 = 10M metric bar sizes - the following substitutions are applicable: #5 = 15M, #6 = 20M, #8 = 25M, #10 = 30M, #12 = 35M, #14 = 40M, #16 = 45M, #18 = 50M, #20 = 55M, #22 = 60M, #24 = 65M, #26 = 70M, #28 = 75M, #30 = 80M, #32 = 85M, #34 = 90M, #36 = 95M, #38 = 100M, #40 = 105M, #42 = 110M, #44 = 115M, #46 = 120M, #48 = 125M, #50 = 130M, #52 = 135M, #54 = 140M, #56 = 145M, #58 = 150M, #60 = 155M, #62 = 160M, #64 = 165M, #66 = 170M, #68 = 175M, #70 = 180M, #72 = 185M, #74 = 190M, #76 = 195M, #78 = 200M, #80 = 205M, #82 = 210M, #84 = 215M, #86 = 220M, #88 = 225M, #90 = 230M, #92 = 235M, #94 = 240M, #96 = 245M, #98 = 250M, #100 = 255M, #102 = 260M, #104 = 265M, #106 = 270M, #108 = 275M, #110 = 280M, #112 = 285M, #114 = 290M, #116 = 295M, #118 = 300M, #120 = 305M, #122 = 310M, #124 = 315M, #126 = 320M, #128 = 325M, #130 = 330M, #132 = 335M, #134 = 340M, #136 = 345M, #138 = 350M, #140 = 355M, #142 = 360M, #144 = 365M, #146 = 370M, #148 = 375M, #150 = 380M, #152 = 385M, #154 = 390M, #156 = 395M, #158 = 400M, #160 = 405M, #162 = 410M, #164 = 415M, #166 = 420M, #168 = 425M, #170 = 430M, #172 = 435M, #174 = 440M, #176 = 445M, #178 = 450M, #180 = 455M, #182 = 460M, #184 = 465M, #186 = 470M, #188 = 475M, #190 = 480M, #192 = 485M, #194 = 490M, #196 = 495M, #198 = 500M, #200 = 505M, #202 = 510M, #204 = 515M, #206 = 520M, #208 = 525M, #210 = 530M, #212 = 535M, #214 = 540M, #216 = 545M, #218 = 550M, #220 = 555M, #222 = 560M, #224 = 565M, #226 = 570M, #228 = 575M, #230 = 580M, #232 = 585M, #234 = 590M, #236 = 595M, #238 = 600M, #240 = 605M, #242 = 610M, #244 = 615M, #246 = 620M, #248 = 625M, #250 = 630M, #252 = 635M, #254 = 640M, #256 = 645M, #258 = 650M, #260 = 655M, #262 = 660M, #264 = 665M, #266 = 670M, #268 = 675M, #270 = 680M, #272 = 685M, #274 = 690M, #276 = 695M, #278 = 700M, #280 = 705M, #282 = 710M, #284 = 715M, #286 = 720M, #288 = 725M, #290 = 730M, #292 = 735M, #294 = 740M, #296 = 745M, #298 = 750M, #300 = 755M, #302 = 760M, #304 = 765M, #306 = 770M, #308 = 775M, #310 = 780M, #312 = 785M, #314 = 790M, #316 = 795M, #318 = 800M, #320 = 805M, #322 = 810M, #324 = 815M, #326 = 820M, #328 = 825M, #330 = 830M, #332 = 835M, #334 = 840M, #336 = 845M, #338 = 850M, #340 = 855M, #342 = 860M, #344 = 865M, #346 = 870M, #348 = 875M, #350 = 880M, #352 = 885M, #354 = 890M, #356 = 895M, #358 = 900M, #360 = 905M, #362 = 910M, #364 = 915M, #366 = 920M, #368 = 925M, #370 = 930M, #372 = 935M, #374 = 940M, #376 = 945M, #378 = 950M, #380 = 955M, #382 = 960M, #384 = 965M, #386 = 970M, #388 = 975M, #390 = 980M, #392 = 985M, #394 = 990M, #396 = 995M, #398 = 1000M, #400 = 1005M, #402 = 1010M, #404 = 1015M, #406 = 1020M, #408 = 1025M, #410 = 1030M, #412 = 1035M, #414 = 1040M, #416 = 1045M, #418 = 1050M, #420 = 1055M, #422 = 1060M, #424 = 1065M, #426 = 1070M, #428 = 1075M, #430 = 1080M, #432 = 1085M, #434 = 1090M, #436 = 1095M, #438 = 1100M, #440 = 1105M, #442 = 1110M, #444 = 1115M, #446 = 1120M, #448 = 1125M, #450 = 1130M, #452 = 1135M, #454 = 1140M, #456 = 1145M, #458 = 1150M, #460 = 1155M, #462 = 1160M, #464 = 1165M, #466 = 1170M, #468 = 1175M, #470 = 1180M, #472 = 1185M, #474 = 1190M, #476 = 1195M, #478 = 1200M, #480 = 1205M, #482 = 1210M, #484 = 1215M, #486 = 1220M, #488 = 1225M, #490 = 1230M, #492 = 1235M, #494 = 1240M, #496 = 1245M, #498 = 1250M, #500 = 1255M, #502 = 1260M, #504 = 1265M, #506 = 1270M, #508 = 1275M, #510 = 1280M, #512 = 1285M, #514 = 1290M, #516 = 1295M, #518 = 1300M, #520 = 1305M, #522 = 1310M, #524 = 1315M, #526 = 1320M, #528 = 1325M, #530 = 1330M, #532 = 1335M, #534 = 1340M, #536 = 1345M, #538 = 1350M, #540 = 1355M, #542 = 1360M, #544 = 1365M, #546 = 1370M, #548 = 1375M, #550 = 1380M, #552 = 1385M, #554 = 1390M, #556 = 1395M, #558 = 1400M, #560 = 1405M, #562 = 1410M, #564 = 1415M, #566 = 1420M, #568 = 1425M, #570 = 1430M, #572 = 1435M, #574 = 1440M, #576 = 1445M, #578 = 1450M, #580 = 1455M, #582 = 1460M, #584 = 1465M, #586 = 1470M, #588 = 1475M, #590 = 1480M, #592 = 1485M, #594 = 1490M, #596 = 1495M, #598 = 1500M, #600 = 1505M, #602 = 1510M, #604 = 1515M, #606 = 1520M, #608 = 1525M, #610 = 1530M, #612 = 1535M, #614 = 1540M, #616 = 1545M, #618 = 1550M, #620 = 1555M, #622 = 1560M, #624 = 1565M, #626 = 1570M, #628 = 1575M, #630 = 1580M, #632 = 1585M, #634 = 1590M, #636 = 1595M, #638 = 1600M, #640 = 1605M, #642 = 1610M, #644 = 1615M, #646 = 1620M, #648 = 1625M, #650 = 1630M, #652 = 1635M, #654 = 1640M, #656 = 1645M, #658 = 1650M, #660 = 1655M, #662 = 1660M, #664 = 1665M, #666 = 1670M, #668 = 1675M, #670 = 1680M, #672 = 1685M, #674 = 1690M, #676 = 1695M, #678 = 1700M, #680 = 1705M, #682 = 1710M, #684 = 1715M, #686 = 1720M, #688 = 1725M, #690 = 1730M, #692 = 1735M, #694 = 1740M, #696 = 1745M, #698 = 1750M, #700 = 1755M, #702 = 1760M, #704 = 1765M, #706 = 1770M, #708 = 1775M, #710 = 1780M, #712 = 1785M, #714 = 1790M, #716 = 1795M, #718 = 1800M, #720 = 1805M, #722 = 1810M, #724 = 1815M, #726 = 1820M, #728 = 1825M, #730 = 1830M, #732 = 1835M, #734 = 1840M, #736 = 1845M, #738 = 1850M, #740 = 1855M, #742 = 1860M, #744 = 1865M, #746 = 1870M, #748 = 1875M, #750 = 1880M, #752 = 1885M, #754 = 1890M, #756 = 1895M, #758 = 1900M, #760 = 1905M, #762 = 1910M, #764 = 1915M, #766 = 1920M, #768 = 1925M, #770 = 1930M, #772 = 1935M, #774 = 1940M, #776 = 1945M, #778 = 1950M, #780 = 1955M, #782 = 1960M, #784 = 1965M, #786 = 1970M, #788 = 1975M, #790 = 1980M, #792 = 1985M, #794 = 1990M, #796 = 1995M, #798 = 2000M, #800 = 2005M, #802 = 2010M, #804 = 2015M, #806 = 2020M, #808 = 2025M, #810 = 2030M, #812 = 2035M, #814 = 2040M, #816 = 2045M, #818 = 2050M, #820 = 2055M, #822 = 2060M, #824 = 2065M, #826 = 2070M, #828 = 2075M, #830 = 2080M, #832 = 2085M, #834 = 2090M, #836 = 2095M, #838 = 2100M, #840 = 2105M, #842 = 2110M, #844 = 2115M, #846 = 2120M, #848 = 2125M, #850 = 2130M, #852 = 2135M, #854 = 2140M, #856 = 2145M, #858 = 2150M, #860 = 2155M, #862 = 2160M, #864 = 2165M, #866 = 2170M, #868 = 2175M, #870 = 2180M, #872 = 2185M, #874 = 2190M, #876 = 2195M, #878 = 2200M, #880 = 2205M, #882 = 2210M, #884 = 2215M, #886 = 2220M, #888 = 2225M, #890 = 2230M, #892 = 2235M, #894 = 2240M, #896 = 2245M, #898 = 2250M, #900 = 2255M, #902 = 2260M, #904 = 2265M, #906 = 2270M, #908 = 2275M, #910 = 2280M, #912 = 2285M, #914 = 2290M, #916 = 2295M, #918 = 2300M, #920 = 2305M, #922 = 2310M, #924 = 2315M, #926 = 2320M, #928 = 2325M, #930 = 2330M, #932 = 2335M, #934 = 2340M, #936 = 2345M, #938 = 2350M, #940 = 2355M, #942 = 2360M, #944 = 2365M, #946 = 2370M, #948 = 2375M, #950 = 2380M, #952 = 2385M, #954 = 2390M, #956 = 2395M, #958 = 2400M, #960 = 2405M, #962 = 2410M, #964 = 2415M, #966 = 2420M, #968 = 2425M, #970 = 2430M, #972 = 2435M, #974 = 2440M, #976 = 2445M, #978 = 2450M, #980 = 2455M, #982 = 2460M, #984 = 2465M, #986 = 2470M, #988 = 2475M, #990 = 2480M, #992 = 2485M, #994 = 2490M, #996 = 2495M, #998 = 2500M, #1000 = 2505M, #1002 = 2510M, #1004 = 2515M, #1006 = 2520M, #1008 = 2525M, #1010 = 2530M, #1012 = 2535M, #1014 = 2540M, #1016 = 2545M, #1018 = 2550M, #1020 = 2555M, #1022 = 2560M, #1024 = 2565M, #1026 = 2570M, #1028 = 2575M, #1030 = 2580M, #1032 = 2585M, #1034 = 2590M, #1036 = 2595M, #1038 = 2600M, #1040 = 2605M, #1042 = 2610M, #1044 = 2615M, #1046 = 2620M, #1048 = 2625M, #1050 = 2630M, #1052 = 2635M, #1054 = 2640M, #1056 = 2645M, #1058 = 2650M, #1060 = 2655M, #1062 = 2660M, #1064 = 2665M, #1066 = 2670M, #1068 = 2675M, #1070 = 2680M, #1072 = 2685M, #1074 = 2690M, #1076 = 2695M, #1078 = 2700M, #1080 = 2705M, #1082 = 2710M, #1084 = 2715M, #1086 = 2720M, #1088 = 2725M, #1090 = 2730M, #1092 = 2735M, #1094 = 2740M, #1096 = 2745M, #1098 = 2750M, #1100 = 2755M, #1102 = 2760M, #1104 = 2765M, #1106 = 2770M, #1108 = 2775M, #1110 = 2780M, #1112 = 2785M, #1114 = 2790M, #1116 = 2795M, #1118 = 2800M, #1120 = 2805M, #1122 = 2810M, #1124 = 2815M, #1126 = 2820M, #1128 = 2825M, #1130 = 2830M, #1132 = 2835M, #1134 = 2840M, #1136 = 2845M, #1138 = 2850M, #1140 = 2855M, #1142 = 2860M, #1144 = 2865M, #1146 = 2870M, #1148 = 2875M, #1150 = 2880M, #1152 = 2885M, #1154 = 2890M, #1156 = 2895M, #1158 = 2900M, #1160 = 2905M, #1162 = 2910M, #1164 = 2915M, #1166 = 2920M, #1168 = 2925M, #1170 = 2930M, #1172 = 2935M, #1174 = 2940M, #1176 = 2945M, #1178 = 2950M, #1180 = 2955M, #1182 = 2960M, #1184 = 2965M, #1186 = 2970M, #1188 = 2975M, #1190 = 2980M, #1192 = 2985M, #1194 = 2990M, #1196 = 2995M, #1198 = 3000M, #1200 = 3005M, #1202 = 3010M, #1204 = 3015M, #1206 = 3020M, #1208 = 3025M, #1210 = 3030M, #1212 = 3035M, #1214 = 3040M, #1216 = 3045M, #1218 = 3050M, #1220 = 3055M, #1222 = 3060M, #1224 = 3065M, #1226 = 3070M, #1228 = 3075M, #1230 = 3080M, #1232 = 3085M, #1234 = 3090M, #1236 = 3095M, #1238 = 3100M, #1240 = 3105M, #1242 = 3110M, #1244 = 3115M, #1246 = 3120M, #1248 = 3125M, #1250 = 3130M, #1252 = 3135M, #1254 = 3140M, #1256 = 3145M, #1258 = 3150M, #1260 = 3155M, #1262 = 3160M, #1264 = 3165M, #1266 = 3170M, #1268 = 3175M, #1270 = 3180M, #1272 = 3185M, #1274 = 3190M, #1276 = 3195M, #1278 = 3200M, #1280 = 3205M, #1282 = 3210M, #1284 = 3215M, #1286 = 3220M, #1288 = 3225M, #1290 = 3230M, #1292 = 3235M, #1294 = 3240M, #1296 = 3245M, #1298 = 3250M, #1300 = 3255M, #1302 = 3260M, #1304 = 3265M, #1306 = 3270M, #1308 = 3275M, #1310 = 3280M, #1312 = 3285M, #1314 = 3290M, #1316 = 3295M, #1318 = 3300M, #1320 = 3305M, #1322 = 3310M, #1324 = 3315M, #1326 = 3320M, #1328 = 3325M, #1330 = 3330M, #1332 = 3335M, #1334 = 3340M, #1336 = 3345M, #1338 = 3350M, #1340 = 3355M, #1342 = 3360M, #1344 = 3365M, #1346 = 3370M, #1348 = 3375M, #1350 = 3380M, #1352 = 3385M, #1354 = 3390M, #1356 = 3395M, #1358 = 3400M, #1360 = 3405M, #1362 = 3410M, #1364 = 3415M, #1366 = 3420M, #1368 = 3425M, #1370 = 3430M, #1372 = 3435M, #1374 = 3440M, #1376 = 3445M, #1378 = 3450M, #1380 = 3455M, #1382 = 3460M, #1384 = 3465M, #1386 = 3470M, #1388 = 3475M, #1390 = 3480M, #1392 = 3485M, #1394 = 3490M, #1396 = 3495M, #1398 = 3500M, #1400 = 3505M, #1402 = 3510M, #1404 = 3515M, #1406 = 3520M, #1408 = 3525M, #1410 = 3530M, #1412 = 3535M, #1414 = 3540M, #1416 = 3545M, #1418 = 3550M, #1420 = 3555M, #1422 = 3560M, #1424 = 3565M, #1426 = 3570M, #1428 = 3575M, #1430 = 3580M, #1432 = 3585M, #1434 = 3590M, #1436 = 3595M, #1438 = 3600M, #1440 = 3605M, #1442 = 3610M, #1444 = 3615M, #1446 = 3620M, #1448 = 3625M, #1450 = 3630M, #1452 = 3635M, #1454 = 3640M, #1456 = 3645M, #1458 = 3650M, #1460 = 3655M, #1462 = 3660M, #1464 = 3665M, #1466 = 3670M, #1468 = 3675M, #1470 = 3680M, #1472 =

**E** **LINTEL TABLES (L4-21M)**

| 525mm Lintel Depth              |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|---------------------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
| Uniformly Distributed Load KN/m |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| Opening Width                   | 7.0 KN/m            |                   | 10.5 KN/m           |                   | 14.0 KN/m           |                   | 17.5 KN/m           |                   | 21.0 KN/m           |                   | 24.5 KN/m           |                   | 28.0 KN/m           |                   | 31.5 KN/m           |                   | 35.0 KN/m           |                   |
|                                 | 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. |
| 900mm                           | 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                 |
| 1200mm                          | 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                 |
| 1500mm                          | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-15M               | 0                 | 1-15M               | 500               | 1-15M               | 550               |
| 1800mm                          | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-15M               | 500               | 1-15M               | 550               | 1-15M               | 600               | 1-15M               | 650               | 1-15M               | 700               |
| 2400mm                          | 1-10M               | 0                 | 1-15M               | 0                 | 1-15M               | 650               | 1-15M               | 750               | 1-15M               | 800               | 1-15M               | 850               | 1-20M               | 900               | 1-20M               | 950               | 1-20M               | 1000              |
| 3000mm                          | 1-15M               | 0                 | 1-15M               | 750               | 1-15M               | 950               | 1-20M               | 1050              | 1-20M               | 1100              | 1-20M               | 1150              | 2-15M               | 1200              | 2-15M               | 1250              | 1-15M + 1-20M       | 1300              |
| 3600mm                          | 1-15M               | 700               | 1-15M               | 1050              | 1-20M               | 1250              | 2-15M               | 1350              | 2-15M               | 1400              | 1-15M + 1-20M       | 1450              | 2-20M               | 1500              |                     |                   |                     |                   |
| 4200mm                          | 1-15M               | 1000              | 1-20M               | 1350              | 2-15M               | 1550              | 1-15M + 1-20M       | 1650              | 2-20M               | 1700              |                     |                   |                     |                   |                     |                   |                     |                   |
| 4800mm                          | 1-20M               | 1300              | 2-15M               | 1650              | 1-15M + 1-20M       | 1850              | 1-10M + 2-20M       | 1950              |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 5400mm                          | 1-20M               | 1600              | 1-15M + 1-20M       | 1950              | 1-10M + 2-20M       | 2150              |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 6000mm                          | 2-15M               | 1900              | 2-20M               | 2250              | 3-20M               | 2450              |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5

100mm Thick  
525mm Deep  
Lintels

Table No.  
L 4-21M

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5

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525mm Deep  
Lintels

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100mm Thick  
525mm Deep  
Lintels

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100mm Thick

NOTES:  
 1. Stirrup Spacing = 330 mm  
 2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".  
 All Stirrup End Distance measurements above are listed in mm  
 For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5



**NUDURA**  
 INTEGRATED BUILDING TECHNOLOGY  
*Building Value.*



**TACOMA**  
 ENGINEERS

Table Prepared by:



100mm Thick  
 525mm Deep  
 Lintels  
 Table No.  
**L 4-21M**

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**E LINTEL TABLES (L4-21I)**

| 21" Lintel Depth |                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|------------------|-----------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
| Opening Width    | Uniformly Distributed Load lbs/ft |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|                  | 480 lbs/ft                        |                   | 715 lbs/ft          |                   | 955 lbs/ft          |                   | 1195 lbs/ft         |                   | 1435 lbs/ft         |                   | 1675 lbs/ft         |                   | 1915 lbs/ft         |                   | 2155 lbs/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. |
| 3'-0"            | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 4'-0"            | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 5'-0"            | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 22"               |
| 6'-0"            | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 20"               | 1-#5                | 22"               | 1-#5                | 24"               | 1-#5                | 28"               |
| 8'-0"            | 1-#4                              | 0"                | 1-#5                | 0"                | 1-#5                | 26"               | 1-#6                | 42"               | 1-#5                | 30"               | 1-#5                | 32"               | 1-#6                | 36"               | 1-#6                | 40"               |
| 10'-0"           | 1-#5                              | 0"                | 1-#5                | 30"               | 1-#6                | 38"               | 1-#6                | 42"               | 1-#6                | 44"               | 1-#6                | 46"               | 2-#5                | 48"               | 2-#5                | 52"               |
| 12'-0"           | 1-#5                              | 28"               | 1-#5                | 42"               | 1-#6                | 50"               | 2-#5                | 54"               | 2-#5                | 56"               | 1-#5 + 1-#6         | 58"               | 2-#6                | 60"               |                     |                   |
| 14'-0"           | 1-#5                              | 40"               | 1-#6                | 54"               | 2-#5                | 62"               | 1-#5 + 1-#6         | 66"               | 2-#6                | 68"               |                     |                   |                     |                   |                     |                   |
| 16'-0"           | 1-#6                              | 52"               | 2-#5                | 66"               | 1-#5 + 1-#6         | 74"               | 2-#6 + 1-#4         | 78"               |                     |                   |                     |                   |                     |                   |                     |                   |
| 18'-0"           | 1-#6                              | 64"               | 1-#5 + 1-#6         | 78"               | 1-#4 + 2-#6         | 86"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 20'-0"           | 2-#5                              | 78"               | 2-#6                | 90"               | 3-#6                | 98"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |

NOTES:

1. Stirrup Spacing = 13"
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For Imperial dimension based projects within Canada using #4 = 10M metric bar sizes - the following substitutions are applicable #5 = 15M #6 = 20M #8 = 25M #10 = 32M #12 = 36M #14 = 42M #16 = 49M #18 = 56M #20 = 64M #22 = 72M #24 = 80M #28 = 95M #32 = 110M #36 = 129M #40 = 149M #44 = 169M #50 = 199M #56 = 229M #60 = 259M #66 = 289M #72 = 319M #78 = 349M #84 = 379M #90 = 409M #96 = 439M #100 = 459M #108 = 489M #114 = 519M #120 = 549M #126 = 579M #132 = 609M #140 = 639M #148 = 669M #156 = 699M #164 = 729M #172 = 759M #180 = 789M #188 = 819M #196 = 849M #204 = 879M #212 = 909M #220 = 939M #228 = 969M #236 = 999M #244 = 1029M #252 = 1059M #260 = 1089M #268 = 1119M #276 = 1149M #284 = 1179M #292 = 1209M #300 = 1239M #308 = 1269M #316 = 1299M #324 = 1329M #332 = 1359M #340 = 1389M #348 = 1419M #356 = 1449M #364 = 1479M #372 = 1509M #380 = 1539M #388 = 1569M #396 = 1599M #404 = 1629M #412 = 1659M #420 = 1689M #428 = 1719M #436 = 1749M #444 = 1779M #452 = 1809M #460 = 1839M #468 = 1869M #476 = 1899M #484 = 1929M #492 = 1959M #500 = 1989M #508 = 2019M #516 = 2049M #524 = 2079M #532 = 2109M #540 = 2139M #548 = 2169M #556 = 2199M #564 = 2229M #572 = 2259M #580 = 2289M #588 = 2319M #596 = 2349M #604 = 2379M #612 = 2409M #620 = 2439M #628 = 2469M #636 = 2499M #644 = 2529M #652 = 2559M #660 = 2589M #668 = 2619M #676 = 2649M #684 = 2679M #692 = 2709M #700 = 2739M #708 = 2769M #716 = 2799M #724 = 2829M #732 = 2859M #740 = 2889M #748 = 2919M #756 = 2949M #764 = 2979M #772 = 3009M #780 = 3039M #788 = 3069M #796 = 3099M #804 = 3129M #812 = 3159M #820 = 3189M #828 = 3219M #836 = 3249M #844 = 3279M #852 = 3309M #860 = 3339M #868 = 3369M #876 = 3399M #884 = 3429M #892 = 3459M #900 = 3489M #908 = 3519M #916 = 3549M #924 = 3579M #932 = 3609M #940 = 3639M #948 = 3669M #956 = 3699M #964 = 3729M #972 = 3759M #980 = 3789M #988 = 3819M #996 = 3849M #1004 = 3879M #1012 = 3909M #1020 = 3939M #1028 = 3969M #1036 = 3999M #1044 = 4029M #1052 = 4059M #1060 = 4089M #1068 = 4119M #1076 = 4149M #1084 = 4179M #1092 = 4209M #1100 = 4239M #1108 = 4269M #1116 = 4299M #1124 = 4329M #1132 = 4359M #1140 = 4389M #1148 = 4419M #1156 = 4449M #1164 = 4479M #1172 = 4509M #1180 = 4539M #1188 = 4569M #1196 = 4599M #1204 = 4629M #1212 = 4659M #1220 = 4689M #1228 = 4719M #1236 = 4749M #1244 = 4779M #1252 = 4809M #1260 = 4839M #1268 = 4869M #1276 = 4899M #1284 = 4929M #1292 = 4959M #1300 = 4989M #1308 = 5019M #1316 = 5049M #1324 = 5079M #1332 = 5109M #1340 = 5139M #1348 = 5169M #1356 = 5199M #1364 = 5229M #1372 = 5259M #1380 = 5289M #1388 = 5319M #1396 = 5349M #1404 = 5379M #1412 = 5409M #1420 = 5439M #1428 = 5469M #1436 = 5499M #1444 = 5529M #1452 = 5559M #1460 = 5589M #1468 = 5619M #1476 = 5649M #1484 = 5679M #1492 = 5709M #1500 = 5739M #1508 = 5769M #1516 = 5799M #1524 = 5829M #1532 = 5859M #1540 = 5889M #1548 = 5919M #1556 = 5949M #1564 = 5979M #1572 = 6009M #1580 = 6039M #1588 = 6069M #1596 = 6099M #1604 = 6129M #1612 = 6159M #1620 = 6189M #1628 = 6219M #1636 = 6249M #1644 = 6279M #1652 = 6309M #1660 = 6339M #1668 = 6369M #1676 = 6399M #1684 = 6429M #1692 = 6459M #1700 = 6489M #1708 = 6519M #1716 = 6549M #1724 = 6579M #1732 = 6609M #1740 = 6639M #1748 = 6669M #1756 = 6699M #1764 = 6729M #1772 = 6759M #1780 = 6789M #1788 = 6819M #1796 = 6849M #1804 = 6879M #1812 = 6909M #1820 = 6939M #1828 = 6969M #1836 = 6999M #1844 = 7029M #1852 = 7059M #1860 = 7089M #1868 = 7119M #1876 = 7149M #1884 = 7179M #1892 = 7209M #1900 = 7239M #1908 = 7269M #1916 = 7299M #1924 = 7329M #1932 = 7359M #1940 = 7389M #1948 = 7419M #1956 = 7449M #1964 = 7479M #1972 = 7509M #1980 = 7539M #1988 = 7569M #1996 = 7599M #2004 = 7629M #2012 = 7659M #2020 = 7689M #2028 = 7719M #2036 = 7749M #2044 = 7779M #2052 = 7809M #2060 = 7839M #2068 = 7869M #2076 = 7899M #2084 = 7929M #2092 = 7959M #2100 = 7989M #2108 = 8019M #2116 = 8049M #2124 = 8079M #2132 = 8109M #2140 = 8139M #2148 = 8169M #2156 = 8199M #2164 = 8229M #2172 = 8259M #2180 = 8289M #2188 = 8319M #2196 = 8349M #2204 = 8379M #2212 = 8409M #2220 = 8439M #2228 = 8469M #2236 = 8499M #2244 = 8529M #2252 = 8559M #2260 = 8589M #2268 = 8619M #2276 = 8649M #2284 = 8679M #2292 = 8709M #2300 = 8739M #2308 = 8769M #2316 = 8799M #2324 = 8829M #2332 = 8859M #2340 = 8889M #2348 = 8919M #2356 = 8949M #2364 = 8979M #2372 = 9009M #2380 = 9039M #2388 = 9069M #2396 = 9099M #2404 = 9129M #2412 = 9159M #2420 = 9189M #2428 = 9219M #2436 = 9249M #2444 = 9279M #2452 = 9309M #2460 = 9339M #2468 = 9369M #2476 = 9399M #2484 = 9429M #2492 = 9459M #2500 = 9489M #2508 = 9519M #2516 = 9549M #2524 = 9579M #2532 = 9609M #2540 = 9639M #2548 = 9669M #2556 = 9699M #2564 = 9729M #2572 = 9759M #2580 = 9789M #2588 = 9819M #2596 = 9849M #2604 = 9879M #2612 = 9909M #2620 = 9939M #2628 = 9969M #2636 = 9999M #2644 = 10029M #2652 = 10059M #2660 = 10089M #2668 = 10119M #2676 = 10149M #2684 = 10179M #2692 = 10209M #2700 = 10239M #2708 = 10269M #2716 = 10299M #2724 = 10329M #2732 = 10359M #2740 = 10389M #2748 = 10419M #2756 = 10449M #2764 = 10479M #2772 = 10509M #2780 = 10539M #2788 = 10569M #2796 = 10599M #2804 = 10629M #2812 = 10659M #2820 = 10689M #2828 = 10719M #2836 = 10749M #2844 = 10779M #2852 = 10809M #2860 = 10839M #2868 = 10869M #2876 = 10899M #2884 = 10929M #2892 = 10959M #2900 = 10989M #2908 = 11019M #2916 = 11049M #2924 = 11079M #2932 = 11109M #2940 = 11139M #2948 = 11169M #2956 = 11199M #2964 = 11229M #2972 = 11259M #2980 = 11289M #2988 = 11319M #2996 = 11349M #3004 = 11379M #3012 = 11409M #3020 = 11439M #3028 = 11469M #3036 = 11499M #3044 = 11529M #3052 = 11559M #3060 = 11589M #3068 = 11619M #3076 = 11649M #3084 = 11679M #3092 = 11709M #3100 = 11739M #3108 = 11769M #3116 = 11799M #3124 = 11829M #3132 = 11859M #3140 = 11889M #3148 = 11919M #3156 = 11949M #3164 = 11979M #3172 = 12009M #3180 = 12039M #3188 = 12069M #3196 = 12099M #3204 = 12129M #3212 = 12159M #3220 = 12189M #3228 = 12219M #3236 = 12249M #3244 = 12279M #3252 = 12309M #3260 = 12339M #3268 = 12369M #3276 = 12399M #3284 = 12429M #3292 = 12459M #3300 = 12489M #3308 = 12519M #3316 = 12549M #3324 = 12579M #3332 = 12609M #3340 = 12639M #3348 = 12669M #3356 = 12699M #3364 = 12729M #3372 = 12759M #3380 = 12789M #3388 = 12819M #3396 = 12849M #3404 = 12879M #3412 = 12909M #3420 = 12939M #3428 = 12969M #3436 = 12999M #3444 = 13029M #3452 = 13059M #3460 = 13089M #3468 = 13119M #3476 = 13149M #3484 = 13179M #3492 = 13209M #3500 = 13239M #3508 = 13269M #3516 = 13299M #3524 = 13329M #3532 = 13359M #3540 = 13389M #3548 = 13419M #3556 = 13449M #3564 = 13479M #3572 = 13509M #3580 = 13539M #3588 = 13569M #3596 = 13599M #3604 = 13629M #3612 = 13659M #3620 = 13689M #3628 = 13719M #3636 = 13749M #3644 = 13779M #3652 = 13809M #3660 = 13839M #3668 = 13869M #3676 = 13899M #3684 = 13929M #3692 = 13959M #3700 = 13989M #3708 = 14019M #3716 = 14049M #3724 = 14079M #3732 = 14109M #3740 = 14139M #3748 = 14169M #3756 = 14199M #3764 = 14229M #3772 = 14259M #3780 = 14289M #3788 = 14319M #3796 = 14349M #3804 = 14379M #3812 = 14409M #3820 = 14439M #3828 = 14469M #3836 = 14499M #3844 = 14529M #3852 = 14559M #3860 = 14589M #3868 = 14619M #3876 = 14649M #3884 = 14679M #3892 = 14709M #3900 = 14739M #3908 = 14769M #3916 = 14799M #3924 = 14829M #3932 = 14859M #3940 = 14889M #3948 = 14919M #3956 = 14949M #3964 = 14979M #3972 = 15009M #3980 = 15039M #3988 = 15069M #3996 = 15099M #4004 = 15129M #4012 = 15159M #4020 = 15189M #4028 = 15219M #4036 = 15249M #4044 = 15279M #4052 = 15309M #4060 = 15339M #4068 = 15369M #4076 = 15399M #4084 = 15429M #4092 = 15459M #4100 = 15489M #4108 = 15519M #4116 = 15549M #4124 = 15579M #4132 = 15609M #4140 = 15639M #4148 = 15669M #4156 = 15699M #4164 = 15729M #4172 = 15759M #4180 = 15789M #4188 = 15819M #4196 = 15849M #4204 = 15879M #4212 = 15909M #4220 = 15939M #4228 = 15969M #4236 = 15999M #4244 = 16029M #4252 = 16059M #4260 = 16089M #4268 = 16119M #4276 = 16149M #4284 = 16179M #4292 = 16209M #4300 = 16239M #4308 = 16269M #4316 = 16299M #4324 = 16329M #4332 = 16359M #4340 = 16389M #4348 = 16419M #4356 = 16449M #4364 = 16479M #4372 = 16509M #4380 = 16539M #4388 = 16569M #4396 = 16599M #4404 = 16629M #4412 = 16659M #4420 = 16689M #4428 = 16719M #4436 = 16749M #4444 = 16779M #4452 = 16809M #4460 = 16839M #4468 = 16869M #4476 = 16899M #4484 = 16929M #4492 = 16959M #4500 = 16989M #4508 = 17019M #4516 = 17049M #4524 = 17079M #4532 = 17109M #4540 = 17139M #4548 = 17169M #4556 = 17199M #4564 = 17229M #4572 = 17259M #4580 = 17289M #4588 = 17319M #4596 = 17349M #4604 = 17379M #4612 = 17409M #4620 = 17439M #4628 = 17469M #4636 = 17499M #4644 = 17529M #4652 = 17559M #4660 = 17589M #4668 = 17619M #4676 = 17649M #4684 = 17679M #4692 = 17709M #4700 = 17739M #4708 = 17769M #4716 = 17799M #4724 = 17829M #4732 = 17859M #4740 = 17889M #4748 = 17919M #4756 = 17949M #4764 = 17979M #4772 = 18009M #4780 = 18039M #4788 = 18069M #4796 = 18099M #4804 = 18129M #4812 = 18159M #4820 = 18189M #4828 = 18219M #4836 = 18249M #4844 = 18279M #4852 = 18309M #4860 = 18339M #4868 = 18369M #4876 = 18399M #4884 = 18429M #4892 = 18459M #4900 = 18489M #4908 = 18519M #4916 = 18549M #4924 = 18579M #4932 = 18609M #4940 = 18639M #4948 = 18669M #4956 = 18699M #4964 = 18729M #4972 = 18759M #4980 = 18789M #4988 = 18819M #4996 = 18849M #5004 = 18879M #5012 = 18909M #5020 = 18939M #5028 = 18969M #5036 = 18999M #5044 = 19029M #5052 = 19059M #5060 = 19089M #5068 = 19119M #5076 = 19149M #5084 = 19179M #5092 = 19209M #5100 = 19239M #5108 = 19269M #5116 = 19299M #5124 = 19329M #5132 = 19359M #5140 = 19389M #5148 = 19419M #5156 = 19449M #5164 = 19479M #5172 = 19509M #5180 = 19539M #5188 = 19569M #5196 = 19599M #5204 = 19629M #5212 = 19659M #5220 = 19689M #5228 = 19719M #5236 = 19749M #5244 = 19779M #5252 = 19809M #5260 = 19839M #5268 = 19869M #5276 = 19899M #5284 = 19929M #5292 = 19959M #5300 = 19989M #5308 = 20019M #5316 = 20049M #5324 = 20079M #5332 = 20109M #5340 = 20139M #5348 = 20169M #5356 = 20199M #5364 = 20229M #5372 = 20259M #5380 = 20289M #5388 = 20319M #5396 = 20349M #5404 = 20379M #5412 = 20409M #5420 = 20439M #5428 = 20469M #5436 = 20499M #5444 = 20529M #5452 = 20559M #5460 = 20589M #5468 = 20619M #5476 = 20649M #5484 = 20679M #5492 = 20709M #5500 = 20739M #5508 = 20769M #5516 = 20799M #5524 = 20829M #5532 = 20859M #5540 = 20889M #5548 = 20919M #5556 = 20949M #5564 = 20979M #5572 = 21009M #5580 = 21039M #5588 = 21069M #5596 = 21099M #5604 = 21129M #5612 = 21159M #5620 = 21189M #5628 = 21219M #5636 = 21249M #5644 = 21279M #5652 = 21309M #5660 = 21339M #5668 = 21369M #5676 = 21399M #5684 = 21429M #5692 = 21459M #5700 = 21489M #5708 = 21519M #5716 = 21549M #5724 = 21579M #5732 = 21609M #5740 = 21639M #5748 = 21669M #5756 = 21699M #5764 = 21729M #5772 = 21759M #5780 = 21789M #5788 = 21819M #5796 = 21849M #5804 = 21879M #5812 = 21909M #5820 = 21939M #5828 = 21969M #5836 = 21999M #5844 = 22029M #5852 = 22059M #5860 = 22089M #5868 = 22119M #5876 = 22149M #5884 = 22179M #5892 = 22209M #5900 = 22239M #5908 = 22269M #5916 = 22299M #5924 = 22329M #5932 = 22359M #5940 = 22389M #5948 = 22419M #5956 = 22449M #5964 = 22479M #5972 = 22509M #5980 = 22539M #5988 = 22569M #5996 = 22599M #6004 = 22629M #6012 = 22659M #6020 = 22689M #6028 = 22719M #6036 = 22749M #6044 = 22779M #6052 = 22809M #6060 = 22839M #6068 = 22869M #6076 = 22899M #6084 = 22929M #6092 = 22959M #6100 = 22989M #6108 = 23019M #6116 = 23049M #6124 = 23079M #6132 = 23109M #6140 = 23139M #6148 = 23169M #6156 = 23199M #6164 = 23229M #6172 = 23259M #6180 = 23289M #6188 = 23319M #6196 = 23349M #6204 = 23379M #6212 = 23409M #6220 = 23439M #6228 = 23469M #6236 = 23499M #6244 = 23529M #6252 = 23559M #6260 = 23589M #6268 = 23619M #6276 = 23649M #6284 = 23679M #6292 = 23709M #6300 = 23739M #6308 = 23769M #6316 = 23799M #6324 = 23829

**E** **LINTEL TABLES (L4-24M)**

| Opening Width | 600mm Lintel Depth              |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|---------------|---------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
|               | Uniformly Distributed Load KN/m |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|               | 7.0 KN/m                        |                   | 10.5 KN/m           |                   | 14.0 KN/m           |                   | 17.5 KN/m           |                   | 21.0 KN/m           |                   | 24.5 KN/m           |                   | 28.0 KN/m           |                   | 31.5 KN/m           |                   | 35.0 KN/m           |                   |
|               | 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. |
| 900mm         | 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                 |
| 1200mm        | 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                 |
| 1500mm        | 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                 |
| 1800mm        | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 600               | 1-15M               | 650               |
| 2400mm        | 1-10M                           | 0                 | 1-10M               | 0                 | 1-15M               | 0                 | 1-15M               | 650               | 1-15M               | 750               | 1-15M               | 800               | 1-15M               | 850               | 1-15M               | 900               | 1-20M               | 950               |
| 3000mm        | 1-10M                           | 0                 | 1-15M               | 650               | 1-15M               | 850               | 1-15M               | 950               | 1-20M               | 1050              | 1-20M               | 1100              | 1-20M               | 1150              | 2-15M               | 1200              | 2-15M               | 1250              |
| 3600mm        | 1-15M                           | 0                 | 1-15M               | 950               | 1-20M               | 1150              | 1-20M               | 1250              | 2-15M               | 1350              | 2-15M               | 1400              | 1-15M + 1-20M       | 1450              | 1-15M + 1-20M       | 1500              | 2-20M               | 1550              |
| 4200mm        | 1-15M                           | 850               | 1-20M               | 1250              | 1-20M               | 1450              | 2-15M               | 1550              | 1-15M + 1-20M       | 1650              | 2-20M               | 1700              | 1-10M + 2-20M       | 1750              |                     |                   |                     |                   |
| 4800mm        | 1-15M                           | 1150              | 1-20M               | 1550              | 2-15M               | 1750              | 1-15M + 1-20M       | 1850              | 1-10M + 2-20M       | 1950              |                     |                   |                     |                   |                     |                   |                     |                   |
| 5400mm        | 1-20M                           | 1450              | 2-15M               | 1850              | 2-20M               | 2050              | 1-10M + 2-20M       | 2150              |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 6000mm        | 2-15M                           | 1750              | 1-15M + 1-20M       | 2150              | 1-10M + 2-20M       | 2350              | 3-20M               | 2450              |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |

NOTES:

1. Stirrup Spacing = 381 mm

2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5

100mm Thick

600mm Deep

Lintels

Table No.

L 4-24M

TACOMA

ENGINEERS

PROFESSIONAL ENGINEER

D. J. TACOMA

45108505

NUDURA

INTEGRATED BUILDING TECHNOLOGY

Building Value.

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Table Prepared by:

**NOTES:**

1. Stirrup Spacing = 381 mm  
 2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

**All Stirrup End Distance measurements above are listed in mm**

For metric dimension based projects 10M = #4  
 within the USA using imperial bar sizes - 15M = #5  
 the following substitutions are applicable: 20M = #6  
 1-#4 + 1-#5 may be substituted for 1-#6  
 2-#4 may be substituted for 1-#5



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Table Prepared by:

Table No.  
**L 4-24M**

100mm Thick  
 600mm Deep  
 Lintels



**E LINTEL TABLES ( L4-24I)**

| 24" Lintel Depth |                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|------------------|-----------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
| Opening Width    | Uniformly Distributed Load lbs/ft |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|                  | 480 lbs/ft                        |                   | 715 lbs/ft          |                   | 955 lbs/ft          |                   | 1195 lbs/ft         |                   | 1435 lbs/ft         |                   | 1675 lbs/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. |
| 3'-0"            | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 4'-0"            | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 5'-0"            | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 6'-0"            | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 0"                |
| 8'-0"            | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 26"               | 1-#5                | 30"               | 1-#5                | 32"               |
| 10'-0"           | 1-#4                              | 0"                | 1-#5                | 26"               | 1-#5                | 34"               | 1-#5                | 38"               | 1-#2                | 42"               | 1-#6                | 44"               |
| 12'-0"           | 1-#5                              | 0"                | 1-#5                | 38"               | 1-#6                | 46"               | 1-#6                | 50"               | 2-#5                | 54"               | 2-#5                | 56"               |
| 14'-0"           | 1-#5                              | 34"               | 1-#6                | 50"               | 1-#6                | 58"               | 2-#5                | 62"               | 1-#5 + 1-#6         | 66"               | 2-#6                | 68"               |
| 16'-0"           | 1-#5                              | 46"               | 1-#6                | 62"               | 2-#5                | 70"               | 1-#5 + 1-#6         | 74"               | 2-#6 + 1-#4         | 78"               |                     |                   |
| 18'-0"           | 1-#6                              | 58"               | 2-#5                | 74"               | 2-#6                | 82"               | 1-#4 + 2-#6         | 86"               |                     |                   |                     |                   |
| 20'-0"           | 2-#5                              | 70"               | 1-#5 + 1-#6         | 86"               | 2-#6 + 1-#4         | 94"               | 3-#6                | 98"               |                     |                   |                     |                   |

**NOTES:**

1. Stirrup Spacing = 15"
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For imperial dimension based projects within Canada using metric bar sizes - the following substitutions are applicable: #4 = 10M, #5 = 15M, #6 = 20M. The smaller diameter of 10M bar has already been factored within the required steel for each scenario. 1-#4 + 1-#5 may be substituted for 1-#6. 2-#4 may be substituted for 1-#5.



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Table Prepared by:

4" Thick  
24" Deep  
Lintels  
Table No.  
**L 4-24I**





**E** **LINTEL TABLES (L6-9M)**

| 225mm Lintel Depth |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|--------------------|---------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
| Opening Width      | Uniformly Distributed Load KN/m |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|                    | 7.0 KN/m                        |                   | 10.5 KN/m           |                   | 14.0 KN/m           |                   | 17.5 KN/m           |                   | 21.0 KN/m           |                   | 24.5 KN/m           |                   | 28.0 KN/m           |                   | 31.5 KN/m           |                   | 35.0 KN/m           |                   |
|                    | 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. |
| 900mm              | 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               | 200               |
| 1200mm             | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-15M               | 0                 | 1-15M               | 250               | 1-15M               | 300               | 1-15M               | 350               | 1-15M               | 350               |
| 1500mm             | 1-10M                           | 0                 | 1-10M               | 0                 | 1-15M               | 0                 | 1-15M               | 250               | 1-15M               | 350               | 1-20M               | 400               | 1-20M               | 450               | 1-20M               | 500               | 2-15M               | 500               |
| 1800mm             | 1-10M                           | 0                 | 1-15M               | 0                 | 1-15M               | 250               | 1-20M               | 400               | 1-20M               | 500               | 2-15M               | 550               | 2-15M               | 600               |                     |                   |                     |                   |
| 2400mm             | 1-15M                           | 0                 | 1-20M               | 350               | 2-15M               | 550               | 1-15M + 1-20M       | 700               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 3000mm             | 1-20M                           | 300               | 1-15M + 1-20M       | 650               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 3600mm             | 1-15M + 1-20M                   | 600               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 4200mm             |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 4800mm             |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 5400mm             |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 6000mm             |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |

NOTES:

1. Stirrup Spacing = 102 mm

2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #6 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5

150mm Thick

225mm Deep

Lintels

Table No.

L 6-9M

TACOMA

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PROFESSIONAL ENGINEER

DR. TACOMA

5403503

NOTES:  
 1. Stirrup Spacing = 102 mm  
 2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

**All Stirrup End Distance measurements above are listed in mm**

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #6 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5



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Table Prepared by:

150mm Thick  
 225mm Deep  
 Lintels

Table No.  
**L 6-9M**

**E LINTEL TABLES (L6-9I)**

| Opening Width | 9" Lintel Depth                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|---------------|-----------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
|               | Uniformly Distributed Load lbs/ft |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|               | 480 lbs/ft                        |                   | 715 lbs/ft          |                   | 955 lbs/ft          |                   | 1195 lbs/ft         |                   | 1435 lbs/ft         |                   | 1675 lbs/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. |
| 3'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 4'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 10"               |
| 5'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 10"               | 1-#5                | 14"               | 1-#6                | 16"               |
| 6'-0"         | 1-#4                              | 0"                | 1-#5                | 0"                | 1-#5                | 10"               | 1-#6                | 16"               | 1-#6                | 20"               | 2-#5                | 22"               |
| 8'-0"         | 1-#5                              | 0"                | 1-#6                | 14"               | 2-#5                | 22"               | 1-#5 + 1-#6         | 28"               |                     |                   |                     |                   |
| 10'-0"        | 1-#6                              | 12"               | 1-#5 + 1-#6         | 26"               |                     |                   |                     |                   |                     |                   |                     |                   |
| 12'-0"        | 1-#5 + 1-#6                       | 24"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 14'-0"        |                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 16'-0"        |                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 18'-0"        |                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 20'-0"        |                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |

NOTES:  
 1. Stirrup Spacing = 4"  
 2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For imperial dimension based projects within Canada using #4 = 10M metric bar sizes - the following substitutions are applicable #5 = 15M #6 = 20M #8 = 25M #10 = 32M #12 = 36M #14 = 42M #16 = 50M #18 = 56M #20 = 63M #22 = 70M #24 = 76M #28 = 86M #32 = 100M #36 = 113M #42 = 133M #50 = 158M #56 = 178M #63 = 203M #70 = 229M #76 = 254M #86 = 298M #100 = 357M #113 = 413M #133 = 492M #158 = 584M #178 = 658M #203 = 762M #229 = 854M #254 = 953M #298 = 1111M #357 = 1327M #413 = 1536M #492 = 1781M #584 = 2111M #658 = 2381M #762 = 2794M #854 = 3175M #953 = 3616M #1111 = 4375M #1327 = 5166M #1536 = 5984M #1781 = 6944M #2111 = 8229M #2381 = 9536M #2794 = 11111M #3175 = 12966M #3616 = 15000M #3966 = 16666M #4375 = 18541M #4921 = 21111M #5556 = 23811M #6250 = 26666M #7000 = 30000M #7917 = 33888M #8917 = 38194M #10000 = 42857M #11111 = 47619M #12345 = 52381M #13704 = 57143M #15185 = 61905M #16788 = 66667M #18519 = 71429M #20480 = 76190M #22667 = 81000M #25000 = 85714M #27500 = 90476M #30167 = 95238M #33000 = 100000M #36000 = 104762M #39167 = 109524M #42500 = 114286M #46000 = 119048M #49667 = 123810M #53500 = 128571M #57500 = 133333M #61667 = 138095M #66000 = 142857M #70500 = 147619M #75167 = 152381M #80000 = 157143M #85000 = 161905M #90167 = 166667M #95500 = 171429M #101000 = 176190M #107000 = 181000M #113167 = 185714M #119500 = 190476M #126167 = 195238M #133000 = 200000M #140000 = 204762M #147167 = 209524M #154500 = 214286M #162000 = 219048M #169667 = 223810M #177500 = 228571M #185500 = 233333M #193667 = 238095M #202000 = 242857M #210500 = 247619M #219167 = 252381M #228000 = 257143M #237000 = 261905M #246167 = 266667M #255500 = 271429M #265000 = 276190M #274667 = 281000M #284500 = 285714M #294500 = 290476M #304667 = 295238M #315000 = 300000M #325500 = 304762M #336167 = 309524M #347000 = 314286M #358000 = 319048M #369167 = 323810M #380500 = 328571M #392000 = 333333M #403667 = 338095M #415500 = 342857M #427500 = 347619M #439667 = 352381M #452000 = 357143M #464500 = 361905M #477167 = 366667M #490000 = 371429M #503000 = 376190M #516167 = 381000M #529500 = 385714M #543000 = 390476M #556667 = 395238M #570500 = 400000M #584500 = 404762M #598667 = 409524M #613000 = 414286M #627500 = 419048M #642167 = 423810M #657000 = 428571M #672000 = 433333M #687167 = 438095M #702500 = 442857M #718000 = 447619M #733667 = 452381M #749500 = 457143M #765500 = 461905M #781667 = 466667M #798000 = 471429M #814500 = 476190M #831167 = 481000M #848000 = 485714M #865000 = 490476M #882167 = 495238M #899500 = 500000M #917000 = 504762M #934667 = 509524M #952500 = 514286M #970500 = 519048M #988667 = 523810M #1007000 = 528571M #1025500 = 533333M #1044167 = 538095M #1063000 = 542857M #1082000 = 547619M #1101167 = 552381M #1120500 = 557143M #1140000 = 561905M #1159667 = 566667M #1179500 = 571429M #1199500 = 576190M #1219667 = 581000M #1240000 = 585714M #1260500 = 590476M #1281167 = 595238M #1302000 = 600000M #1323000 = 604762M #1344167 = 609524M #1365500 = 614286M #1387000 = 619048M #1408667 = 623810M #1430500 = 628571M #1452500 = 633333M #1474667 = 638095M #1497000 = 642857M #1519500 = 647619M #1542167 = 652381M #1565000 = 657143M #1588000 = 661905M #1611167 = 666667M #1634500 = 671429M #1658000 = 676190M #1681667 = 681000M #1705500 = 685714M #1729500 = 690476M #1753667 = 695238M #1778000 = 700000M #1802500 = 704762M #1827167 = 709524M #1852000 = 714286M #1877000 = 719048M #1902167 = 723810M #1927500 = 728571M #1953000 = 733333M #1978667 = 738095M #2004500 = 742857M #2030500 = 747619M #2056667 = 752381M #2083000 = 757143M #2109500 = 761905M #2136167 = 766667M #2163000 = 771429M #2190000 = 776190M #2217167 = 781000M #2244500 = 785714M #2272000 = 790476M #2300667 = 795238M #2329500 = 800000M #2358500 = 804762M #2387667 = 809524M #2417000 = 814286M #2446500 = 819048M #2476167 = 823810M #2506000 = 828571M #2536167 = 833333M #2566500 = 838095M #2597000 = 842857M #2627667 = 847619M #2658500 = 852381M #2689500 = 857143M #2720667 = 861905M #2752000 = 866667M #2783500 = 871429M #2815167 = 876190M #2847000 = 881000M #2879000 = 885714M #2911167 = 890476M #2943500 = 895238M #2976000 = 900000M #3008667 = 904762M #3041500 = 909524M #3074500 = 914286M #3107667 = 919048M #3141000 = 923810M #3174500 = 928571M #3208167 = 933333M #3242000 = 938095M #3276000 = 942857M #3310167 = 947619M #3344500 = 952381M #3379000 = 957143M #3413667 = 961905M #3448500 = 966667M #3483500 = 971429M #3518667 = 976190M #3554000 = 981000M #3589500 = 985714M #3625167 = 990476M #3661000 = 995238M #3697000 = 1000000M

6" Thick  
 9" Deep  
 Lintels  
 Table No.  
**L 6-9I**

**TACOMA ENGINEERS**

Table Prepared by:



 **INTEGRATED BUILDING TECHNOLOGY**  
*Building Value.*

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**E** **LINTEL TABLES (L6-12M)**

| Opening Width | 300mm Lintel Depth              |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|---------------|---------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
|               | Uniformly Distributed Load KN/m |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|               | 7.0 KN/m                        |                   | 10.5 KN/m           |                   | 14.0 KN/m           |                   | 17.5 KN/m           |                   | 21.0 KN/m           |                   | 24.5 KN/m           |                   | 28.0 KN/m           |                   | 31.5 KN/m           |                   | 35.0 KN/m           |                   |
|               | 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. |
| 900mm         | 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               | 300               |
| 1200mm        | 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               | 450               |
| 1500mm        | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 400               | 1-15M               | 450               | 1-15M               | 500               | 1-15M               | 550               | 1-15M               | 550               | 1-15M               | 600               |
| 1800mm        | 1-10M                           | 0                 | 1-10M               | 300               | 1-15M               | 450               | 1-15M               | 550               | 1-15M               | 600               | 1-15M               | 650               | 1-20M               | 700               | 1-20M               | 700               | 1-20M               | 750               |
| 2400mm        | 1-15M                           | 350               | 1-15M               | 600               | 1-20M               | 750               | 1-20M               | 850               | 2-15M               | 900               | 2-15M               | 950               | 1-15M + 1-20M       | 1000              | 2-20M               | 1000              | 1-10M + 2-20M       | 1050              |
| 3000mm        | 1-15M                           | 650               | 1-20M               | 900               | 2-15M               | 1050              | 1-15M + 1-20M       | 1150              | 2-20M               | 1200              |                     |                   |                     |                   |                     |                   |                     |                   |
| 3600mm        | 1-20M                           | 950               | 2-15M               | 1200              | 2-20M               | 1350              | 3-20M               | 1450              |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 4200mm        | 2-15M                           | 1250              | 1-10M + 2-20M       | 1500              |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 4800mm        | 2-20M                           | 1550              |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 5400mm        |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 6000mm        |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |

NOTES:

1. Stirrup Spacing = 152 mm

2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

All Stirrup End Distance measurements above are listed in mm

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5



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Building Value.



PROFESSIONAL ENGINEER  
TACOMA  
15409505  
10/17/2016

150mm Thick  
300mm Deep  
Lintels

Table No.  
L 6-12M

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**NOTES:**

1. Stirrup Spacing = 152 mm
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

**All Stirrup End Distance measurements above are listed in mm**

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5



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Table Prepared by:

**150mm Thick  
300mm Deep  
Lintels**  
**Table No.  
L 6-12M**



**E LINTEL TABLES (L6-12I)**

| Opening Width | 12" Lintel Depth                  |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|---------------|-----------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
|               | Uniformly Distributed Load lbs/ft |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|               | 480 lbs/ft                        |                   | 715 lbs/ft          |                   | 955 lbs/ft          |                   | 1195 lbs/ft         |                   | 1435 lbs/ft         |                   | 1675 lbs/ft         |                   | 1915 lbs/ft         |                   | 2155 lbs/ft         |                   | 2395 lbs/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. |
| 3'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 12"               |
| 4'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 12"               | 1-#4                | 14"               | 1-#4                | 16"               | 1-#5                | 16"               | 1-#5                | 18"               |
| 5'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 12"               | 1-#4                | 16"               | 1-#5                | 18"               | 1-#5                | 20"               | 1-#5                | 22"               | 1-#5                | 22"               | 1-#5                | 24"               |
| 6'-0"         | 1-#4                              | 0"                | 1-#4                | 12"               | 1-#5                | 18"               | 1-#5                | 22"               | 1-#5                | 24"               | 1-#5                | 26"               | 1-#6                | 28"               | 1-#6                | 28"               | 1-#6                | 30"               |
| 8'-0"         | 1-#5                              | 14"               | 1-#5                | 24"               | 1-#6                | 30"               | 1-#6                | 34"               | 2-#5                | 36"               | 2-#5                | 38"               | 1-#5 + 1-#6         | 40"               | 2-#6                | 40"               | 2-#6 + 1-#4         | 42"               |
| 10'-0"        | 1-#5                              | 26"               | 1-#6                | 36"               | 2-#5                | 42"               | 1-#5 + 1-#6         | 46"               | 2-#6                | 48"               |                     |                   |                     |                   |                     |                   |                     |                   |
| 12'-0"        | 1-#6                              | 38"               | 2-#5                | 48"               | 2-#6                | 54"               | 3-#6                | 58"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 14'-0"        | 2-#5                              | 50"               | 1-#4 + 2-#6         | 60"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 16'-0"        | 2-#6                              | 62"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 18'-0"        |                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 20'-0"        |                                   |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |

NOTES:

1. Stirrup Spacing = 6"

2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For Imperial dimension based projects within Canada using metric bar sizes - the following substitutions are applicable #4 = 10M #5 = 15M #6 = 20M 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5

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TACOMA

ENGINEERS

PROFESSIONAL ENGINEER  
TACOMA  
0-1-1409505

Table Prepared by:

6" Thick  
12" Deep  
Lintels

Table No.  
L 6-12I

**NOTES:**

1. Stirrup Spacing = 6"
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For Imperial dimension based projects within Canada using #4 = 10M metric bar sizes - the following substitutions are applicable #5 = 15M #6 = 20M #8 = 25M #10 = 32M #12 = 36M #14 = 42M #16 = 49M #18 = 56M #20 = 64M #22 = 72M #24 = 80M #28 = 98M #32 = 114M #36 = 132M #40 = 152M #44 = 174M #50 = 203M #56 = 229M #60 = 254M #66 = 281M #72 = 311M #78 = 341M #84 = 371M #90 = 401M #96 = 431M #100 = 452M #108 = 478M #114 = 504M #120 = 530M #126 = 556M #132 = 582M #140 = 612M #148 = 642M #156 = 672M #164 = 702M #172 = 732M #180 = 762M #188 = 792M #196 = 822M #204 = 852M #212 = 882M #220 = 912M #228 = 942M #236 = 972M #244 = 1002M #252 = 1032M #260 = 1062M #268 = 1092M #276 = 1122M #284 = 1152M #292 = 1182M #300 = 1212M #308 = 1242M #316 = 1272M #324 = 1302M #332 = 1332M #340 = 1362M #348 = 1392M #356 = 1422M #364 = 1452M #372 = 1482M #380 = 1512M #388 = 1542M #396 = 1572M #404 = 1602M #412 = 1632M #420 = 1662M #428 = 1692M #436 = 1722M #444 = 1752M #452 = 1782M #460 = 1812M #468 = 1842M #476 = 1872M #484 = 1902M #492 = 1932M #500 = 1962M #508 = 1992M #516 = 2022M #524 = 2052M #532 = 2082M #540 = 2112M #548 = 2142M #556 = 2172M #564 = 2202M #572 = 2232M #580 = 2262M #588 = 2292M #596 = 2322M #604 = 2352M #612 = 2382M #620 = 2412M #628 = 2442M #636 = 2472M #644 = 2502M #652 = 2532M #660 = 2562M #668 = 2592M #676 = 2622M #684 = 2652M #692 = 2682M #700 = 2712M #708 = 2742M #716 = 2772M #724 = 2802M #732 = 2832M #740 = 2862M #748 = 2892M #756 = 2922M #764 = 2952M #772 = 2982M #780 = 3012M #788 = 3042M #796 = 3072M #804 = 3102M #812 = 3132M #820 = 3162M #828 = 3192M #836 = 3222M #844 = 3252M #852 = 3282M #860 = 3312M #868 = 3342M #876 = 3372M #884 = 3402M #892 = 3432M #900 = 3462M #908 = 3492M #916 = 3522M #924 = 3552M #932 = 3582M #940 = 3612M #948 = 3642M #956 = 3672M #964 = 3702M #972 = 3732M #980 = 3762M #988 = 3792M #996 = 3822M #1004 = 3852M #1012 = 3882M #1020 = 3912M #1028 = 3942M #1036 = 3972M #1044 = 4002M #1052 = 4032M #1060 = 4062M #1068 = 4092M #1076 = 4122M #1084 = 4152M #1092 = 4182M #1100 = 4212M #1108 = 4242M #1116 = 4272M #1124 = 4302M #1132 = 4332M #1140 = 4362M #1148 = 4392M #1156 = 4422M #1164 = 4452M #1172 = 4482M #1180 = 4512M #1188 = 4542M #1196 = 4572M #1204 = 4602M #1212 = 4632M #1220 = 4662M #1228 = 4692M #1236 = 4722M #1244 = 4752M #1252 = 4782M #1260 = 4812M #1268 = 4842M #1276 = 4872M #1284 = 4902M #1292 = 4932M #1300 = 4962M #1308 = 4992M #1316 = 5022M #1324 = 5052M #1332 = 5082M #1340 = 5112M #1348 = 5142M #1356 = 5172M #1364 = 5202M #1372 = 5232M #1380 = 5262M #1388 = 5292M #1396 = 5322M #1404 = 5352M #1412 = 5382M #1420 = 5412M #1428 = 5442M #1436 = 5472M #1444 = 5502M #1452 = 5532M #1460 = 5562M #1468 = 5592M #1476 = 5622M #1484 = 5652M #1492 = 5682M #1500 = 5712M #1508 = 5742M #1516 = 5772M #1524 = 5802M #1532 = 5832M #1540 = 5862M #1548 = 5892M #1556 = 5922M #1564 = 5952M #1572 = 5982M #1580 = 6012M #1588 = 6042M #1596 = 6072M #1604 = 6102M #1612 = 6132M #1620 = 6162M #1628 = 6192M #1636 = 6222M #1644 = 6252M #1652 = 6282M #1660 = 6312M #1668 = 6342M #1676 = 6372M #1684 = 6402M #1692 = 6432M #1700 = 6462M #1708 = 6492M #1716 = 6522M #1724 = 6552M #1732 = 6582M #1740 = 6612M #1748 = 6642M #1756 = 6672M #1764 = 6702M #1772 = 6732M #1780 = 6762M #1788 = 6792M #1796 = 6822M #1804 = 6852M #1812 = 6882M #1820 = 6912M #1828 = 6942M #1836 = 6972M #1844 = 7002M #1852 = 7032M #1860 = 7062M #1868 = 7092M #1876 = 7122M #1884 = 7152M #1892 = 7182M #1900 = 7212M #1908 = 7242M #1916 = 7272M #1924 = 7302M #1932 = 7332M #1940 = 7362M #1948 = 7392M #1956 = 7422M #1964 = 7452M #1972 = 7482M #1980 = 7512M #1988 = 7542M #1996 = 7572M #2004 = 7602M #2012 = 7632M #2020 = 7662M #2028 = 7692M #2036 = 7722M #2044 = 7752M #2052 = 7782M #2060 = 7812M #2068 = 7842M #2076 = 7872M #2084 = 7902M #2092 = 7932M #2100 = 7962M #2108 = 7992M #2116 = 8022M #2124 = 8052M #2132 = 8082M #2140 = 8112M #2148 = 8142M #2156 = 8172M #2164 = 8202M #2172 = 8232M #2180 = 8262M #2188 = 8292M #2196 = 8322M #2204 = 8352M #2212 = 8382M #2220 = 8412M #2228 = 8442M #2236 = 8472M #2244 = 8502M #2252 = 8532M #2260 = 8562M #2268 = 8592M #2276 = 8622M #2284 = 8652M #2292 = 8682M #2300 = 8712M #2308 = 8742M #2316 = 8772M #2324 = 8802M #2332 = 8832M #2340 = 8862M #2348 = 8892M #2356 = 8922M #2364 = 8952M #2372 = 8982M #2380 = 9012M #2388 = 9042M #2396 = 9072M #2404 = 9102M #2412 = 9132M #2420 = 9162M #2428 = 9192M #2436 = 9222M #2444 = 9252M #2452 = 9282M #2460 = 9312M #2468 = 9342M #2476 = 9372M #2484 = 9402M #2492 = 9432M #2500 = 9462M #2508 = 9492M #2516 = 9522M #2524 = 9552M #2532 = 9582M #2540 = 9612M #2548 = 9642M #2556 = 9672M #2564 = 9702M #2572 = 9732M #2580 = 9762M #2588 = 9792M #2596 = 9822M #2604 = 9852M #2612 = 9882M #2620 = 9912M #2628 = 9942M #2636 = 9972M #2644 = 10002M #2652 = 10032M #2660 = 10062M #2668 = 10092M #2676 = 10122M #2684 = 10152M #2692 = 10182M #2700 = 10212M #2708 = 10242M #2716 = 10272M #2724 = 10302M #2732 = 10332M #2740 = 10362M #2748 = 10392M #2756 = 10422M #2764 = 10452M #2772 = 10482M #2780 = 10512M #2788 = 10542M #2796 = 10572M #2804 = 10602M #2812 = 10632M #2820 = 10662M #2828 = 10692M #2836 = 10722M #2844 = 10752M #2852 = 10782M #2860 = 10812M #2868 = 10842M #2876 = 10872M #2884 = 10902M #2892 = 10932M #2900 = 10962M #2908 = 10992M #2916 = 11022M #2924 = 11052M #2932 = 11082M #2940 = 11112M #2948 = 11142M #2956 = 11172M #2964 = 11202M #2972 = 11232M #2980 = 11262M #2988 = 11292M #2996 = 11322M #3004 = 11352M #3012 = 11382M #3020 = 11412M #3028 = 11442M #3036 = 11472M #3044 = 11502M #3052 = 11532M #3060 = 11562M #3068 = 11592M #3076 = 11622M #3084 = 11652M #3092 = 11682M #3100 = 11712M #3108 = 11742M #3116 = 11772M #3124 = 11802M #3132 = 11832M #3140 = 11862M #3148 = 11892M #3156 = 11922M #3164 = 11952M #3172 = 11982M #3180 = 12012M #3188 = 12042M #3196 = 12072M #3204 = 12102M #3212 = 12132M #3220 = 12162M #3228 = 12192M #3236 = 12222M #3244 = 12252M #3252 = 12282M #3260 = 12312M #3268 = 12342M #3276 = 12372M #3284 = 12402M #3292 = 12432M #3300 = 12462M #3308 = 12492M #3316 = 12522M #3324 = 12552M #3332 = 12582M #3340 = 12612M #3348 = 12642M #3356 = 12672M #3364 = 12702M #3372 = 12732M #3380 = 12762M #3388 = 12792M #3396 = 12822M #3404 = 12852M #3412 = 12882M #3420 = 12912M #3428 = 12942M #3436 = 12972M #3444 = 13002M #3452 = 13032M #3460 = 13062M #3468 = 13092M #3476 = 13122M #3484 = 13152M #3492 = 13182M #3500 = 13212M #3508 = 13242M #3516 = 13272M #3524 = 13302M #3532 = 13332M #3540 = 13362M #3548 = 13392M #3556 = 13422M #3564 = 13452M #3572 = 13482M #3580 = 13512M #3588 = 13542M #3596 = 13572M #3604 = 13602M #3612 = 13632M #3620 = 13662M #3628 = 13692M #3636 = 13722M #3644 = 13752M #3652 = 13782M #3660 = 13812M #3668 = 13842M #3676 = 13872M #3684 = 13902M #3692 = 13932M #3700 = 13962M #3708 = 13992M #3716 = 14022M #3724 = 14052M #3732 = 14082M #3740 = 14112M #3748 = 14142M #3756 = 14172M #3764 = 14202M #3772 = 14232M #3780 = 14262M #3788 = 14292M #3796 = 14322M #3804 = 14352M #3812 = 14382M #3820 = 14412M #3828 = 14442M #3836 = 14472M #3844 = 14502M #3852 = 14532M #3860 = 14562M #3868 = 14592M #3876 = 14622M #3884 = 14652M #3892 = 14682M #3900 = 14712M #3908 = 14742M #3916 = 14772M #3924 = 14802M #3932 = 14832M #3940 = 14862M #3948 = 14892M #3956 = 14922M #3964 = 14952M #3972 = 14982M #3980 = 15012M #3988 = 15042M #3996 = 15072M #4004 = 15102M #4012 = 15132M #4020 = 15162M #4028 = 15192M #4036 = 15222M #4044 = 15252M #4052 = 15282M #4060 = 15312M #4068 = 15342M #4076 = 15372M #4084 = 15402M #4092 = 15432M #4100 = 15462M #4108 = 15492M #4116 = 15522M #4124 = 15552M #4132 = 15582M #4140 = 15612M #4148 = 15642M #4156 = 15672M #4164 = 15702M #4172 = 15732M #4180 = 15762M #4188 = 15792M #4196 = 15822M #4204 = 15852M #4212 = 15882M #4220 = 15912M #4228 = 15942M #4236 = 15972M #4244 = 16002M #4252 = 16032M #4260 = 16062M #4268 = 16092M #4276 = 16122M #4284 = 16152M #4292 = 16182M #4300 = 16212M #4308 = 16242M #4316 = 16272M #4324 = 16302M #4332 = 16332M #4340 = 16362M #4348 = 16392M #4356 = 16422M #4364 = 16452M #4372 = 16482M #4380 = 16512M #4388 = 16542M #4396 = 16572M #4404 = 16602M #4412 = 16632M #4420 = 16662M #4428 = 16692M #4436 = 16722M #4444 = 16752M #4452 = 16782M #4460 = 16812M #4468 = 16842M #4476 = 16872M #4484 = 16902M #4492 = 16932M #4500 = 16962M #4508 = 16992M #4516 = 17022M #4524 = 17052M #4532 = 17082M #4540 = 17112M #4548 = 17142M #4556 = 17172M #4564 = 17202M #4572 = 17232M #4580 = 17262M #4588 = 17292M #4596 = 17322M #4604 = 17352M #4612 = 17382M #4620 = 17412M #4628 = 17442M #4636 = 17472M #4644 = 17502M #4652 = 17532M #4660 = 17562M #4668 = 17592M #4676 = 17622M #4684 = 17652M #4692 = 17682M #4700 = 17712M #4708 = 17742M #4716 = 17772M #4724 = 17802M #4732 = 17832M #4740 = 17862M #4748 = 17892M #4756 = 17922M #4764 = 17952M #4772 = 17982M #4780 = 18012M #4788 = 18042M #4796 = 18072M #4804 = 18102M #4812 = 18132M #4820 = 18162M #4828 = 18192M #4836 = 18222M #4844 = 18252M #4852 = 18282M #4860 = 18312M #4868 = 18342M #4876 = 18372M #4884 = 18402M #4892 = 18432M #4900 = 18462M #4908 = 18492M #4916 = 18522M #4924 = 18552M #4932 = 18582M #4940 = 18612M #4948 = 18642M #4956 = 18672M #4964 = 18702M #4972 = 18732M #4980 = 18762M #4988 = 18792M #4996 = 18822M #5004 = 18852M #5012 = 18882M #5020 = 18912M #5028 = 18942M #5036 = 18972M #5044 = 19002M #5052 = 19032M #5060 = 19062M #5068 = 19092M #5076 = 19122M #5084 = 19152M #5092 = 19182M #5100 = 19212M #5108 = 19242M #5116 = 19272M #5124 = 19302M #5132 = 19332M #5140 = 19362M #5148 = 19392M #5156 = 19422M #5164 = 19452M #5172 = 19482M #5180 = 19512M #5188 = 19542M #5196 = 19572M #5204 = 19602M #5212 = 19632M #5220 = 19662M #5228 = 19692M #5236 = 19722M #5244 = 19752M #5252 = 19782M #5260 = 19812M #5268 = 19842M #5276 = 19872M #5284 = 19902M #5292 = 19932M #5300 = 19962M #5308 = 19992M #5316 = 20022M #5324 = 20052M #5332 = 20082M #5340 = 20112M #5348 = 20142M #5356 = 20172M #5364 = 20202M #5372 = 20232M #5380 = 20262M #5388 = 20292M #5396 = 20322M #5404 = 20352M #5412 = 20382M #5420 = 20412M #5428 = 20442M #5436 = 20472M #5444 = 20502M #5452 = 20532M #5460 = 20562M #5468 = 20592M #5476 = 20622M #5484 = 20652M #5492 = 20682M #5500 = 20712M #5508 = 20742M #5516 = 20772M #5524 = 20802M #5532 = 20832M #5540 = 20862M #5548 = 20892M #5556 = 20922M #5564 = 20952M #5572 = 20982M #5580 = 21012M #5588 = 21042M #5596 = 21072M #5604 = 21102M #5612 = 21132M #5620 = 21162M #5628 = 21192M #5636 = 21222M #5644 = 21252M #5652 = 21282M #5660 = 21312M #5668 = 21342M #5676 = 21372M #5684 = 21402M #5692 = 21432M #5700 = 21462M #5708 = 21492M #5716 = 21522M #5724 = 21552M #5732 = 21582M #5740 = 21612M #5748 = 21642M #5756 = 21672M #5764 = 21702M #5772 = 21732M #5780 = 21762M #5788 = 21792M #5796 = 21822M #5804 = 21852M #5812 = 21882M #5820 = 21912M #5828 = 21942M #5836 = 21972M #5844 = 22002M #5852 = 22032M #5860 = 22062M #5868 = 22092M #5876 = 22122M #5884 = 22152M #5892 = 22182M #5900 = 22212M #5908 = 22242M #5916 = 22272M #5924 = 22302M #5932 = 22332M #5940 = 22362M #5948 = 22392M #5956 = 22422M #5964 = 22452M #5972 = 22482M #5980 = 22512M #5988 = 22542M #5996 = 22572M #6004 = 22602M #6012 = 22632M #6020 = 22662M #6028 = 22692M #6036 = 22722M #6044 = 22752M #6052 = 22782M #6060 = 22812M #6068 = 22842M #6076 = 22872M #6084 = 22902M #6092 = 22932M #6100 = 22962M #6108 = 22992M #6116 = 23022M #6124 = 23052M #6132 = 23082M #6140 = 23112M #6148 = 23142M #6156 = 23172M #6164 = 23202M #6172 = 23232M #6180 = 23262M #6188 = 23292M #6196 = 23322M #6204 = 23352M #6212 = 23382M #6220 = 23412M #6228 = 23442M #6236 = 23472M #6244 = 23502M #6252 = 23532M #6260 = 23562M #6268 = 23592M #6276 = 23622M #6284 = 23652M #6292 =

# **E** LINTEL TABLES (L6-15M)

| 375mm Lintel Depth |                                 |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |
|--------------------|---------------------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|
| Opening Width      | Uniformly Distributed Load KN/m |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |
|                    | 7.0 KN/m                        |                   |                   | 10.5 KN/m           |                   |                   | 14.0 KN/m           |                   |                   | 17.5 KN/m           |                   |                   | 21.0 KN/m           |                   |                   | 24.5 KN/m           |                   |                   |
|                    | Bottom Reinf. Steel             | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup End Dist. |
| 900mm              | 1-10M                           | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 |
| 1200mm             | 1-10M                           | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 |
| 1500mm             | 1-10M                           | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-15M               | 350               | 400               | 1-15M               | 450               | 500               |
| 1800mm             | 1-10M                           | 0                 | 0                 | 1-10M               | 0                 | 0                 | 1-15M               | 0                 | 0                 | 1-15M               | 450               | 500               | 1-15M               | 500               | 550               | 1-15M               | 600               | 650               |
| 2400mm             | 1-15M                           | 0                 | 0                 | 1-15M               | 450               | 600               | 1-15M               | 600               | 600               | 1-15M               | 750               | 800               | 1-20M               | 800               | 850               | 2-15M               | 900               | 950               |
| 3000mm             | 1-15M                           | 400               | 700               | 1-15M               | 750               | 900               | 1-20M               | 900               | 900               | 2-15M               | 1050              | 1100              | 2-15M               | 1100              | 1150              | 1-15M + 1-20M       | 1200              | 1250              |
| 3600mm             | 1-15M                           | 700               | 1000              | 1-20M               | 1050              | 1200              | 2-15M               | 1200              | 1200              | 1-15M + 1-20M       | 1350              | 1400              | 2-20M               | 1400              | 1450              | 1-15M + 2-20M       |                   |                   |
| 4200mm             | 1-20M                           | 1000              | 1300              | 2-15M               | 1350              | 1500              | 2-20M               | 1500              | 1500              | 1-15M + 2-20M       | 1650              |                   |                     |                   |                   |                     |                   |                   |
| 4800mm             | 2-15M                           | 1300              | 1600              | 2-20M               | 1650              | 1800              | 1-15M + 2-20M       | 1800              | 1800              |                     |                   |                   |                     |                   |                   |                     |                   |                   |
| 5400mm             | 1-15M + 1-20M                   | 1600              | 1900              | 2-20M               | 1950              |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |
| 6000mm             | 1-10M + 2-20M                   | 1900              |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |                     |                   |                   |

## NOTES:

1. Stirrup Spacing = 203 mm
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

All Stirrup End Distance measurements above are listed in mm

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5



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**TACOMA** ENGINEERS

150mm Thick  
375mm Deep  
Lintels

Table No.

**L 6-15M**

Table Prepared by:





**E LINTEL TABLES (L6-15I)**

| Opening Width | 15" Lintel Depth                  |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|---------------|-----------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
|               | Uniformly Distributed Load lbs/ft |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|               | 480 lbs/ft                        |                   | 715 lbs/ft          |                   | 955 lbs/ft          |                   | 1195 lbs/ft         |                   | 1435 lbs/ft         |                   | 1675 lbs/ft         |                   | 1915 lbs/ft         |                   | 2155 lbs/ft         |                   | 2395 lbs/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. |
| 3'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 4'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 14"               |
| 5'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 14"               | 1-#5                | 16"               | 1-#5                | 18"               | 1-#5                | 20"               | 1-#5                | 20"               |
| 6'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 18"               | 1-#5                | 20"               | 1-#5                | 22"               | 1-#5                | 24"               | 1-#5                | 26"               | 1-#6                | 26"               |
| 8'-0"         | 1-#5                              | 0"                | 1-#5                | 18"               | 1-#5                | 24"               | 1-#5                | 30"               | 1-#6                | 32"               | 1-#6                | 34"               | 2-#5                | 36"               | 2-#5                | 38"               | 2-#5                | 38"               |
| 10'-0"        | 1-#5                              | 16"               | 1-#5                | 30"               | 1-#6                | 36"               | 2-#5                | 42"               | 2-#5                | 44"               | 1-#5 + 1-#6         | 44"               | 2-#6                | 48"               | 2-#6 + 1-#4         | 50"               |                     |                   |
| 12'-0"        | 1-#5                              | 28"               | 1-#6                | 42"               | 2-#5                | 48"               | 1-#5 + 1-#6         | 54"               | 2-#6                | 56"               | 1-#5 + 2-#6         | 58"               |                     |                   |                     |                   |                     |                   |
| 14'-0"        | 1-#6                              | 40"               | 2-#5                | 54"               | 2-#6                | 60"               | 1-#5 + 2-#6         | 66"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 16'-0"        | 2-#5                              | 52"               | 2-#6                | 66"               | 1-#5 + 2-#6         | 72"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 18'-0"        | 1-#5 + 1-#6                       | 64"               | 1-#5 + 2-#6         | 78"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 20'-0"        | 1-#4 + 2-#6                       | 76"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |

NOTES:

- Stirrup Spacing = 8"
- This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For imperial dimension based projects within Canada using #4 = 10M metric bar sizes - the following substitutions are applicable #5 = 15M #6 = 20M #8 = 25M #10 = 32M #11 = 36M #14 = 42M #16 = 50M #18 = 56M #20 = 63M #22 = 70M #25 = 80M #28 = 90M #32 = 100M #36 = 110M #40 = 120M #42 = 125M #44 = 130M #46 = 135M #48 = 140M #50 = 145M #52 = 150M #54 = 155M #56 = 160M #58 = 165M #60 = 170M #62 = 175M #64 = 180M #66 = 185M #68 = 190M #70 = 195M #72 = 200M #74 = 205M #76 = 210M #78 = 215M #80 = 220M #82 = 225M #84 = 230M #86 = 235M #88 = 240M #90 = 245M #92 = 250M #94 = 255M #96 = 260M #98 = 265M #100 = 270M #102 = 275M #104 = 280M #106 = 285M #108 = 290M #110 = 295M #112 = 300M #114 = 305M #116 = 310M #118 = 315M #120 = 320M #122 = 325M #124 = 330M #126 = 335M #128 = 340M #130 = 345M #132 = 350M #134 = 355M #136 = 360M #138 = 365M #140 = 370M #142 = 375M #144 = 380M #146 = 385M #148 = 390M #150 = 395M #152 = 400M #154 = 405M #156 = 410M #158 = 415M #160 = 420M #162 = 425M #164 = 430M #166 = 435M #168 = 440M #170 = 445M #172 = 450M #174 = 455M #176 = 460M #178 = 465M #180 = 470M #182 = 475M #184 = 480M #186 = 485M #188 = 490M #190 = 495M #192 = 500M #194 = 505M #196 = 510M #198 = 515M #200 = 520M #202 = 525M #204 = 530M #206 = 535M #208 = 540M #210 = 545M #212 = 550M #214 = 555M #216 = 560M #218 = 565M #220 = 570M #222 = 575M #224 = 580M #226 = 585M #228 = 590M #230 = 595M #232 = 600M #234 = 605M #236 = 610M #238 = 615M #240 = 620M #242 = 625M #244 = 630M #246 = 635M #248 = 640M #250 = 645M #252 = 650M #254 = 655M #256 = 660M #258 = 665M #260 = 670M #262 = 675M #264 = 680M #266 = 685M #268 = 690M #270 = 695M #272 = 700M #274 = 705M #276 = 710M #278 = 715M #280 = 720M #282 = 725M #284 = 730M #286 = 735M #288 = 740M #290 = 745M #292 = 750M #294 = 755M #296 = 760M #298 = 765M #300 = 770M #302 = 775M #304 = 780M #306 = 785M #308 = 790M #310 = 795M #312 = 800M #314 = 805M #316 = 810M #318 = 815M #320 = 820M #322 = 825M #324 = 830M #326 = 835M #328 = 840M #330 = 845M #332 = 850M #334 = 855M #336 = 860M #338 = 865M #340 = 870M #342 = 875M #344 = 880M #346 = 885M #348 = 890M #350 = 895M #352 = 900M #354 = 905M #356 = 910M #358 = 915M #360 = 920M #362 = 925M #364 = 930M #366 = 935M #368 = 940M #370 = 945M #372 = 950M #374 = 955M #376 = 960M #378 = 965M #380 = 970M #382 = 975M #384 = 980M #386 = 985M #388 = 990M #390 = 995M #392 = 1000M #394 = 1005M #396 = 1010M #398 = 1015M #400 = 1020M #402 = 1025M #404 = 1030M #406 = 1035M #408 = 1040M #410 = 1045M #412 = 1050M #414 = 1055M #416 = 1060M #418 = 1065M #420 = 1070M #422 = 1075M #424 = 1080M #426 = 1085M #428 = 1090M #430 = 1095M #432 = 1100M #434 = 1105M #436 = 1110M #438 = 1115M #440 = 1120M #442 = 1125M #444 = 1130M #446 = 1135M #448 = 1140M #450 = 1145M #452 = 1150M #454 = 1155M #456 = 1160M #458 = 1165M #460 = 1170M #462 = 1175M #464 = 1180M #466 = 1185M #468 = 1190M #470 = 1195M #472 = 1200M #474 = 1205M #476 = 1210M #478 = 1215M #480 = 1220M #482 = 1225M #484 = 1230M #486 = 1235M #488 = 1240M #490 = 1245M #492 = 1250M #494 = 1255M #496 = 1260M #498 = 1265M #500 = 1270M #502 = 1275M #504 = 1280M #506 = 1285M #508 = 1290M #510 = 1295M #512 = 1300M #514 = 1305M #516 = 1310M #518 = 1315M #520 = 1320M #522 = 1325M #524 = 1330M #526 = 1335M #528 = 1340M #530 = 1345M #532 = 1350M #534 = 1355M #536 = 1360M #538 = 1365M #540 = 1370M #542 = 1375M #544 = 1380M #546 = 1385M #548 = 1390M #550 = 1395M #552 = 1400M #554 = 1405M #556 = 1410M #558 = 1415M #560 = 1420M #562 = 1425M #564 = 1430M #566 = 1435M #568 = 1440M #570 = 1445M #572 = 1450M #574 = 1455M #576 = 1460M #578 = 1465M #580 = 1470M #582 = 1475M #584 = 1480M #586 = 1485M #588 = 1490M #590 = 1495M #592 = 1500M #594 = 1505M #596 = 1510M #598 = 1515M #600 = 1520M #602 = 1525M #604 = 1530M #606 = 1535M #608 = 1540M #610 = 1545M #612 = 1550M #614 = 1555M #616 = 1560M #618 = 1565M #620 = 1570M #622 = 1575M #624 = 1580M #626 = 1585M #628 = 1590M #630 = 1595M #632 = 1600M #634 = 1605M #636 = 1610M #638 = 1615M #640 = 1620M #642 = 1625M #644 = 1630M #646 = 1635M #648 = 1640M #650 = 1645M #652 = 1650M #654 = 1655M #656 = 1660M #658 = 1665M #660 = 1670M #662 = 1675M #664 = 1680M #666 = 1685M #668 = 1690M #670 = 1695M #672 = 1700M #674 = 1705M #676 = 1710M #678 = 1715M #680 = 1720M #682 = 1725M #684 = 1730M #686 = 1735M #688 = 1740M #690 = 1745M #692 = 1750M #694 = 1755M #696 = 1760M #698 = 1765M #700 = 1770M #702 = 1775M #704 = 1780M #706 = 1785M #708 = 1790M #710 = 1795M #712 = 1800M #714 = 1805M #716 = 1810M #718 = 1815M #720 = 1820M #722 = 1825M #724 = 1830M #726 = 1835M #728 = 1840M #730 = 1845M #732 = 1850M #734 = 1855M #736 = 1860M #738 = 1865M #740 = 1870M #742 = 1875M #744 = 1880M #746 = 1885M #748 = 1890M #750 = 1895M #752 = 1900M #754 = 1905M #756 = 1910M #758 = 1915M #760 = 1920M #762 = 1925M #764 = 1930M #766 = 1935M #768 = 1940M #770 = 1945M #772 = 1950M #774 = 1955M #776 = 1960M #778 = 1965M #780 = 1970M #782 = 1975M #784 = 1980M #786 = 1985M #788 = 1990M #790 = 1995M #792 = 2000M #794 = 2005M #796 = 2010M #798 = 2015M #800 = 2020M #802 = 2025M #804 = 2030M #806 = 2035M #808 = 2040M #810 = 2045M #812 = 2050M #814 = 2055M #816 = 2060M #818 = 2065M #820 = 2070M #822 = 2075M #824 = 2080M #826 = 2085M #828 = 2090M #830 = 2095M #832 = 2100M #834 = 2105M #836 = 2110M #838 = 2115M #840 = 2120M #842 = 2125M #844 = 2130M #846 = 2135M #848 = 2140M #850 = 2145M #852 = 2150M #854 = 2155M #856 = 2160M #858 = 2165M #860 = 2170M #862 = 2175M #864 = 2180M #866 = 2185M #868 = 2190M #870 = 2195M #872 = 2200M #874 = 2205M #876 = 2210M #878 = 2215M #880 = 2220M #882 = 2225M #884 = 2230M #886 = 2235M #888 = 2240M #890 = 2245M #892 = 2250M #894 = 2255M #896 = 2260M #898 = 2265M #900 = 2270M #902 = 2275M #904 = 2280M #906 = 2285M #908 = 2290M #910 = 2295M #912 = 2300M #914 = 2305M #916 = 2310M #918 = 2315M #920 = 2320M #922 = 2325M #924 = 2330M #926 = 2335M #928 = 2340M #930 = 2345M #932 = 2350M #934 = 2355M #936 = 2360M #938 = 2365M #940 = 2370M #942 = 2375M #944 = 2380M #946 = 2385M #948 = 2390M #950 = 2395M



INTEGRATED BUILDING TECHNOLOGY  
Building Value.

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ENGINEERS

6" Thick  
15" Deep  
Lintels

Table No.  
L 6-15I

Table Prepared by:

**NOTES:**

1. Stirrup Spacing = 8"
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For Imperial dimension based projects within Canada using #4 = 10M metric bar sizes - the following substitutions are applicable #5 = 15M #6 = 20M #8 = 25M #10 = 30M #12 = 36M #14 = 42M #16 = 49M #18 = 56M #20 = 64M #22 = 71M #24 = 79M #26 = 87M #28 = 95M #30 = 103M #32 = 111M #34 = 119M #36 = 127M #38 = 135M #40 = 143M #42 = 151M #44 = 159M #46 = 167M #48 = 175M #50 = 183M #52 = 191M #54 = 199M #56 = 207M #58 = 215M #60 = 223M #62 = 231M #64 = 239M #66 = 247M #68 = 255M #70 = 263M #72 = 271M #74 = 279M #76 = 287M #78 = 295M #80 = 303M #82 = 311M #84 = 319M #86 = 327M #88 = 335M #90 = 343M #92 = 351M #94 = 359M #96 = 367M #98 = 375M #100 = 383M #102 = 391M #104 = 399M #106 = 407M #108 = 415M #110 = 423M #112 = 431M #114 = 439M #116 = 447M #118 = 455M #120 = 463M #122 = 471M #124 = 479M #126 = 487M #128 = 495M #130 = 503M #132 = 511M #134 = 519M #136 = 527M #138 = 535M #140 = 543M #142 = 551M #144 = 559M #146 = 567M #148 = 575M #150 = 583M #152 = 591M #154 = 599M #156 = 607M #158 = 615M #160 = 623M #162 = 631M #164 = 639M #166 = 647M #168 = 655M #170 = 663M #172 = 671M #174 = 679M #176 = 687M #178 = 695M #180 = 703M #182 = 711M #184 = 719M #186 = 727M #188 = 735M #190 = 743M #192 = 751M #194 = 759M #196 = 767M #198 = 775M #200 = 783M #202 = 791M #204 = 799M #206 = 807M #208 = 815M #210 = 823M #212 = 831M #214 = 839M #216 = 847M #218 = 855M #220 = 863M #222 = 871M #224 = 879M #226 = 887M #228 = 895M #230 = 903M #232 = 911M #234 = 919M #236 = 927M #238 = 935M #240 = 943M #242 = 951M #244 = 959M #246 = 967M #248 = 975M #250 = 983M #252 = 991M #254 = 999M #256 = 1007M #258 = 1015M #260 = 1023M #262 = 1031M #264 = 1039M #266 = 1047M #268 = 1055M #270 = 1063M #272 = 1071M #274 = 1079M #276 = 1087M #278 = 1095M #280 = 1103M #282 = 1111M #284 = 1119M #286 = 1127M #288 = 1135M #290 = 1143M #292 = 1151M #294 = 1159M #296 = 1167M #298 = 1175M #300 = 1183M #302 = 1191M #304 = 1199M #306 = 1207M #308 = 1215M #310 = 1223M #312 = 1231M #314 = 1239M #316 = 1247M #318 = 1255M #320 = 1263M #322 = 1271M #324 = 1279M #326 = 1287M #328 = 1295M #330 = 1303M #332 = 1311M #334 = 1319M #336 = 1327M #338 = 1335M #340 = 1343M #342 = 1351M #344 = 1359M #346 = 1367M #348 = 1375M #350 = 1383M #352 = 1391M #354 = 1399M #356 = 1407M #358 = 1415M #360 = 1423M #362 = 1431M #364 = 1439M #366 = 1447M #368 = 1455M #370 = 1463M #372 = 1471M #374 = 1479M #376 = 1487M #378 = 1495M #380 = 1503M #382 = 1511M #384 = 1519M #386 = 1527M #388 = 1535M #390 = 1543M #392 = 1551M #394 = 1559M #396 = 1567M #398 = 1575M #400 = 1583M #402 = 1591M #404 = 1599M #406 = 1607M #408 = 1615M #410 = 1623M #412 = 1631M #414 = 1639M #416 = 1647M #418 = 1655M #420 = 1663M #422 = 1671M #424 = 1679M #426 = 1687M #428 = 1695M #430 = 1703M #432 = 1711M #434 = 1719M #436 = 1727M #438 = 1735M #440 = 1743M #442 = 1751M #444 = 1759M #446 = 1767M #448 = 1775M #450 = 1783M #452 = 1791M #454 = 1799M #456 = 1807M #458 = 1815M #460 = 1823M #462 = 1831M #464 = 1839M #466 = 1847M #468 = 1855M #470 = 1863M #472 = 1871M #474 = 1879M #476 = 1887M #478 = 1895M #480 = 1903M #482 = 1911M #484 = 1919M #486 = 1927M #488 = 1935M #490 = 1943M #492 = 1951M #494 = 1959M #496 = 1967M #498 = 1975M #500 = 1983M #502 = 1991M #504 = 1999M #506 = 2007M #508 = 2015M #510 = 2023M #512 = 2031M #514 = 2039M #516 = 2047M #518 = 2055M #520 = 2063M #522 = 2071M #524 = 2079M #526 = 2087M #528 = 2095M #530 = 2103M #532 = 2111M #534 = 2119M #536 = 2127M #538 = 2135M #540 = 2143M #542 = 2151M #544 = 2159M #546 = 2167M #548 = 2175M #550 = 2183M #552 = 2191M #554 = 2199M #556 = 2207M #558 = 2215M #560 = 2223M #562 = 2231M #564 = 2239M #566 = 2247M #568 = 2255M #570 = 2263M #572 = 2271M #574 = 2279M #576 = 2287M #578 = 2295M #580 = 2303M #582 = 2311M #584 = 2319M #586 = 2327M #588 = 2335M #590 = 2343M #592 = 2351M #594 = 2359M #596 = 2367M #598 = 2375M #600 = 2383M #602 = 2391M #604 = 2399M #606 = 2407M #608 = 2415M #610 = 2423M #612 = 2431M #614 = 2439M #616 = 2447M #618 = 2455M #620 = 2463M #622 = 2471M #624 = 2479M #626 = 2487M #628 = 2495M #630 = 2503M #632 = 2511M #634 = 2519M #636 = 2527M #638 = 2535M #640 = 2543M #642 = 2551M #644 = 2559M #646 = 2567M #648 = 2575M #650 = 2583M #652 = 2591M #654 = 2599M #656 = 2607M #658 = 2615M #660 = 2623M #662 = 2631M #664 = 2639M #666 = 2647M #668 = 2655M #670 = 2663M #672 = 2671M #674 = 2679M #676 = 2687M #678 = 2695M #680 = 2703M #682 = 2711M #684 = 2719M #686 = 2727M #688 = 2735M #690 = 2743M #692 = 2751M #694 = 2759M #696 = 2767M #698 = 2775M #700 = 2783M #702 = 2791M #704 = 2799M #706 = 2807M #708 = 2815M #710 = 2823M #712 = 2831M #714 = 2839M #716 = 2847M #718 = 2855M #720 = 2863M #722 = 2871M #724 = 2879M #726 = 2887M #728 = 2895M #730 = 2903M #732 = 2911M #734 = 2919M #736 = 2927M #738 = 2935M #740 = 2943M #742 = 2951M #744 = 2959M #746 = 2967M #748 = 2975M #750 = 2983M #752 = 2991M #754 = 2999M #756 = 3007M #758 = 3015M #760 = 3023M #762 = 3031M #764 = 3039M #766 = 3047M #768 = 3055M #770 = 3063M #772 = 3071M #774 = 3079M #776 = 3087M #778 = 3095M #780 = 3103M #782 = 3111M #784 = 3119M #786 = 3127M #788 = 3135M #790 = 3143M #792 = 3151M #794 = 3159M #796 = 3167M #798 = 3175M #800 = 3183M #802 = 3191M #804 = 3199M #806 = 3207M #808 = 3215M #810 = 3223M #812 = 3231M #814 = 3239M #816 = 3247M #818 = 3255M #820 = 3263M #822 = 3271M #824 = 3279M #826 = 3287M #828 = 3295M #830 = 3303M #832 = 3311M #834 = 3319M #836 = 3327M #838 = 3335M #840 = 3343M #842 = 3351M #844 = 3359M #846 = 3367M #848 = 3375M #850 = 3383M #852 = 3391M #854 = 3399M #856 = 3407M #858 = 3415M #860 = 3423M #862 = 3431M #864 = 3439M #866 = 3447M #868 = 3455M #870 = 3463M #872 = 3471M #874 = 3479M #876 = 3487M #878 = 3495M #880 = 3503M #882 = 3511M #884 = 3519M #886 = 3527M #888 = 3535M #890 = 3543M #892 = 3551M #894 = 3559M #896 = 3567M #898 = 3575M #900 = 3583M #902 = 3591M #904 = 3599M #906 = 3607M #908 = 3615M #910 = 3623M #912 = 3631M #914 = 3639M #916 = 3647M #918 = 3655M #920 = 3663M #922 = 3671M #924 = 3679M #926 = 3687M #928 = 3695M #930 = 3703M #932 = 3711M #934 = 3719M #936 = 3727M #938 = 3735M #940 = 3743M #942 = 3751M #944 = 3759M #946 = 3767M #948 = 3775M #950 = 3783M #952 = 3791M #954 = 3799M #956 = 3807M #958 = 3815M #960 = 3823M #962 = 3831M #964 = 3839M #966 = 3847M #968 = 3855M #970 = 3863M #972 = 3871M #974 = 3879M #976 = 3887M #978 = 3895M #980 = 3903M #982 = 3911M #984 = 3919M #986 = 3927M #988 = 3935M #990 = 3943M #992 = 3951M #994 = 3959M #996 = 3967M #998 = 3975M #1000 = 3983M



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**TACOMA**  
ENGINEERS



Table Prepared by:

Table No.  
**L 6-15I**

6" Thick  
15" Deep  
Lintels



**E** **LINTEL TABLES (L6-18M)**

| <b>450mm Lintel Depth</b> |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|---------------------------|---------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
| Opening Width             | Uniformly Distributed Load KN/m |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|                           | 7.0 KN/m                        |                   | 10.5 KN/m           |                   | 14.0 KN/m           |                   | 17.5 KN/m           |                   | 21.0 KN/m           |                   | 24.5 KN/m           |                   | 28.0 KN/m           |                   | 31.5 KN/m           |                   |
|                           | 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. |
| 900mm                     | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 |
| 1200mm                    | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 |
| 1500mm                    | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 450               |
| 1800mm                    | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 500               | 1-15M               | 550               | 1-15M               | 600               |
| 2400mm                    | 1-10M                           | 0                 | 1-15M               | 0                 | 1-15M               | 500               | 1-15M               | 650               | 1-15M               | 700               | 1-20M               | 800               | 1-20M               | 850               | 1-20M               | 900               |
| 3000mm                    | 1-15M                           | 0                 | 1-15M               | 550               | 1-15M               | 800               | 1-20M               | 950               | 1-20M               | 1000              | 2-15M               | 1100              | 2-15M               | 1150              | 1-15M + 1-20M       | 1200              |
| 3600mm                    | 1-15M                           | 500               | 1-20M               | 850               | 1-20M               | 1100              | 2-15M               | 1250              | 1-15M + 1-20M       | 1300              | 2-20M               | 1400              | 1-10M + 2-20M       | 1450              | 1-15M + 2-20M       | 1500              |
| 4200mm                    | 1-20M                           | 800               | 2-15M               | 1150              | 1-15M + 1-20M       | 1400              | 2-20M               | 1550              | 1-10M + 2-20M       | 1600              | 1-15M + 2-20M       | 1700              |                     |                   |                     |                   |
| 4800mm                    | 1-20M                           | 1100              | 1-15M + 1-20M       | 1450              | 2-20M               | 1700              | 1-15M + 2-20M       | 1850              |                     |                   |                     |                   |                     |                   |                     |                   |
| 5400mm                    | 2-15M                           | 1400              | 2-20M               | 1750              | 1-15M + 2-20M       | 2000              |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 6000mm                    | 1-15M + 1-20M                   | 1700              | 1-15M + 2-20M       | 2050              |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |

NOTES:  
 1. Stirrup Spacing = 254 mm  
 2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

**All Stirrup End Distance measurements above are listed in mm**

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5



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PROFESSIONAL ENGINEER  
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 145409505  
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 PROVINCE OF ONTARIO

**TACOMA**  
 ENGINEERS

Table Prepared by:

150mm Thick  
 450mm Deep  
 Lintels

Table No.  
**L 6-18M**

**E** LINTEL TABLES (L6-18I)

| Opening Width | 18" Lintel Depth                  |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|---------------|-----------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
|               | Uniformly Distributed Load lbs/ft |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|               | 480 lbs/ft                        |                   | 715 lbs/ft          |                   | 955 lbs/ft          |                   | 1195 lbs/ft         |                   | 1435 lbs/ft         |                   | 1675 lbs/ft         |                   | 1915 lbs/ft         |                   | 2155 lbs/ft         |                   | 2395 lbs/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. |
| 3'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 4'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 5'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 18"               | 1-#5                | 18"               |
| 6'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 20"               | 1-#5                | 22"               | 1-#5                | 24"               | 2-#5                | 24"               |
| 8'-0"         | 1-#4                              | 0"                | 1-#5                | 0"                | 1-#5                | 20"               | 1-#5                | 26"               | 1-#5                | 28"               | 1-#6                | 32"               | 1-#6                | 34"               | 1-#6                | 36"               | 2-#5                | 36"               |
| 10'-0"        | 1-#5                              | 0"                | 1-#5                | 22"               | 1-#5                | 32"               | 1-#6                | 38"               | 1-#6                | 40"               | 2-#5                | 44"               | 2-#5                | 46"               | 1-#5 + 1-#6         | 48"               | 2-#6                | 48"               |
| 12'-0"        | 1-#5                              | 20"               | 1-#6                | 34"               | 1-#6                | 44"               | 2-#5                | 50"               | 1-#5 + 1-#6         | 52"               | 2-#6                | 56"               | 2-#6 + 1-#4         | 58"               | 1-#5 + 2-#6         | 60"               |                     |                   |
| 14'-0"        | 1-#6                              | 32"               | 2-#5                | 46"               | 1-#5 + 1-#6         | 56"               | 2-#6                | 62"               | 2-#6 + 1-#5         | 64"               | 1-#5 + 2-#6         | 68"               |                     |                   |                     |                   |                     |                   |
| 16'-0"        | 1-#6                              | 44"               | 1-#5 + 1-#6         | 58"               | 2-#6                | 68"               | 1-#5 + 2-#6         | 74"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 18'-0"        | 2-#5                              | 56"               | 2-#6                | 70"               | 1-#5 + 2-#6         | 80"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 20'-0"        | 1-#5 + 1-#6                       | 68"               | 1-#5 + 2-#6         | 82"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |

**NOTES:**

1. Stirrup Spacing = 10"
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For Imperial dimension based projects within Canada using metric bar sizes - the following substitutions are applicable: #4 = 10M, #5 = 15M, #6 = 20M. (The smaller diameter of 10M bar has already been factored within the required steel for each scenario). #4 + 1-#5 may be substituted for 1-#6, 2-#4 may be substituted for 1-#5.



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**TACOMA**  
ENGINEERS



Table Prepared by:

Table No.  
**L 6-18I**

6" Thick  
18" Deep  
Lintels



**E** **LINTEL TABLES (L6-21M)**

| <b>525mm Lintel Depth</b>              |                     |                   |               |                     |                   |         |                     |                   |               |                     |                   |         |                     |                   |         |                     |                   |         |
|----------------------------------------|---------------------|-------------------|---------------|---------------------|-------------------|---------|---------------------|-------------------|---------------|---------------------|-------------------|---------|---------------------|-------------------|---------|---------------------|-------------------|---------|
| <b>Uniformly Distributed Load KN/m</b> |                     |                   |               |                     |                   |         |                     |                   |               |                     |                   |         |                     |                   |         |                     |                   |         |
| <b>Opening Width</b>                   | <b>7.0 KN/m</b>     |                   |               | <b>10.5 KN/m</b>    |                   |         | <b>14.0 KN/m</b>    |                   |               | <b>17.5 KN/m</b>    |                   |         | <b>21.0 KN/m</b>    |                   |         | <b>24.5 KN/m</b>    |                   |         |
|                                        | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup       | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup       | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup |
| 900mm                                  | 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       |
| 1200mm                                 | 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       |
| 1500mm                                 | 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       |
| 1800mm                                 | 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             | 550     |
| 2400mm                                 | 1-10M               | 0                 | 1-15M         | 0                   | 1-15M             | 0       | 1-15M               | 0                 | 1-15M         | 500                 | 1-15M             | 650     | 1-15M               | 800               | 1-20M   | 1-15M               | 850               | 850     |
| 3000mm                                 | 1-15M               | 0                 | 1-15M         | 0                   | 1-15M             | 0       | 1-15M               | 650               | 1-20M         | 800                 | 1-20M             | 950     | 1-20M               | 1100              | 2-15M   | 1-15M + 1-20M       | 1150              | 1150    |
| 3600mm                                 | 1-15M               | 0                 | 1-15M         | 700                 | 1-15M             | 950     | 1-20M               | 950               | 1-20M         | 1100                | 1-20M             | 1250    | 1-10M + 1-20M       | 1400              | 2-20M   | 1-10M + 1-20M       | 1450              | 1450    |
| 4200mm                                 | 1-15M               | 550               | 1-20M         | 1000                | 1-20M             | 1250    | 2-15M               | 1250              | 1-15M + 1-20M | 1400                | 1-15M + 1-20M     | 1550    | 1-10M + 1-20M       | 1700              | 3-20M   | 1-10M + 1-20M       | 1700              | 1700    |
| 4800mm                                 | 1-20M               | 850               | 2-15M         | 1300                | 1-15M + 1-20M     | 1550    | 1-15M + 1-20M       | 1550              | 1-15M + 1-20M | 1700                | 1-15M + 1-20M     | 1850    | 1-10M + 1-20M       | 2000              |         |                     |                   |         |
| 5400mm                                 | 2-15M               | 1150              | 1-15M + 1-20M | 1600                | 1-15M + 1-20M     | 1850    | 2-20M               | 1850              | 1-15M + 1-20M | 2000                | 1-15M + 1-20M     |         |                     |                   |         |                     |                   |         |
| 6000mm                                 | 2-15M               | 1450              | 2-20M         | 1900                | 1-15M + 2-20M     | 2150    | 1-15M + 2-20M       | 2150              |               |                     |                   |         |                     |                   |         |                     |                   |         |

NOTES:  
 1. Stirrup Spacing = 330 mm  
 2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".  
 All Stirrup End Distance measurements above are listed in mm  
 For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5



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**TACOMA**  
 ENGINEERS

Table Prepared by:

150mm Thick  
 525mm Deep  
 Lintels

Table No.  
**L 6-21M**



**E LINTEL TABLES (L6-21I)**

| Opening Width | 21" Lintel Depth                  |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|---------------|-----------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
|               | Uniformly Distributed Load lbs/ft |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|               | 480 lbs/ft                        |                   | 715 lbs/ft          |                   | 955 lbs/ft          |                   | 1195 lbs/ft         |                   | 1435 lbs/ft         |                   | 1675 lbs/ft         |                   | 1915 lbs/ft         |                   | 2155 lbs/ft         |                   | 2395 lbs/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. |
| 3'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 4'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 5'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                |
| 6'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 22"               |
| 8'-0"         | 1-#4                              | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 20"               | 1-#5                | 26"               | 1-#5                | 28"               | 1-#5                | 30"               | 1-#6                | 32"               | 1-#6                | 34"               |
| 10'-0"        | 1-#5                              | 0"                | 1-#5                | 0"                | 1-#5                | 26"               | 1-#6                | 32"               | 1-#6                | 38"               | 1-#6                | 40"               | 2-#5                | 42"               | 2-#5                | 44"               | 1-#5 + 1-#6         | 46"               |
| 12'-0"        | 1-#5                              | 0"                | 1-#5                | 28"               | 1-#6                | 38"               | 1-#6                | 44"               | 2-#5                | 50"               | 1-#5 + 1-#6         | 52"               | 1-#5 + 1-#6         | 54"               | 2-#6                | 56"               | 2-#6 + 1-#4         | 58"               |
| 14'-0"        | 1-#5                              | 22"               | 1-#6                | 40"               | 2-#5                | 50"               | 1-#6 + 1-#5         | 56"               | 2-#6                | 62"               | 2-#6                | 64"               | 1-#4 + 2-#6         | 66"               | 3-#6                | 68"               |                     |                   |
| 16'-0"        | 1-#6                              | 34"               | 2-#5                | 52"               | 1-#5 + 1-#6         | 62"               | 2-#6                | 68"               | 1-#4 + 2-#6         | 74"               | 3-#6                | 76"               |                     |                   |                     |                   |                     |                   |
| 18'-0"        | 2-#5                              | 46"               | 1-#5 + 1-#6         | 64"               | 2-#6                | 74"               | 1-#5 + 2-#6         | 80"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 20'-0"        | 2-#5                              | 58"               | 2-#6                | 76"               | 1-#5 + 2-#6         | 86"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |

NOTES:

1. Stirrup Spacing = 13"

2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For Imperial dimension based projects within Canada using metric bar sizes - the following substitutions are applicable #4 = 10M #5 = 15M #6 = 20M #8 = 25M #10 = 32M #12 = 36M #14 = 42M #16 = 50M #18 = 55M #20 = 60M #22 = 65M #24 = 70M #28 = 85M #32 = 95M #36 = 105M #40 = 115M #44 = 125M #48 = 135M #52 = 145M #56 = 155M #60 = 165M #64 = 175M #68 = 185M #72 = 195M #76 = 205M #80 = 215M #84 = 225M #88 = 235M #92 = 245M #96 = 255M #100 = 265M #104 = 275M #108 = 285M #112 = 295M #116 = 305M #120 = 315M #124 = 325M #128 = 335M #132 = 345M #136 = 355M #140 = 365M #144 = 375M #148 = 385M #152 = 395M #156 = 405M #160 = 415M #164 = 425M #168 = 435M #172 = 445M #176 = 455M #180 = 465M #184 = 475M #188 = 485M #192 = 495M #196 = 505M #200 = 515M #204 = 525M #208 = 535M #212 = 545M #216 = 555M #220 = 565M #224 = 575M #228 = 585M #232 = 595M #236 = 605M #240 = 615M #244 = 625M #248 = 635M #252 = 645M #256 = 655M #260 = 665M #264 = 675M #268 = 685M #272 = 695M #276 = 705M #280 = 715M #284 = 725M #288 = 735M #292 = 745M #296 = 755M #300 = 765M #304 = 775M #308 = 785M #312 = 795M #316 = 805M #320 = 815M #324 = 825M #328 = 835M #332 = 845M #336 = 855M #340 = 865M #344 = 875M #348 = 885M #352 = 895M #356 = 905M #360 = 915M #364 = 925M #368 = 935M #372 = 945M #376 = 955M #380 = 965M #384 = 975M #388 = 985M #392 = 995M #396 = 1005M #400 = 1015M #404 = 1025M #408 = 1035M #412 = 1045M #416 = 1055M #420 = 1065M #424 = 1075M #428 = 1085M #432 = 1095M #436 = 1105M #440 = 1115M #444 = 1125M #448 = 1135M #452 = 1145M #456 = 1155M #460 = 1165M #464 = 1175M #468 = 1185M #472 = 1195M #476 = 1205M #480 = 1215M #484 = 1225M #488 = 1235M #492 = 1245M #496 = 1255M #500 = 1265M #504 = 1275M #508 = 1285M #512 = 1295M #516 = 1305M #520 = 1315M #524 = 1325M #528 = 1335M #532 = 1345M #536 = 1355M #540 = 1365M #544 = 1375M #548 = 1385M #552 = 1395M #556 = 1405M #560 = 1415M #564 = 1425M #568 = 1435M #572 = 1445M #576 = 1455M #580 = 1465M #584 = 1475M #588 = 1485M #592 = 1495M #596 = 1505M #600 = 1515M #604 = 1525M #608 = 1535M #612 = 1545M #616 = 1555M #620 = 1565M #624 = 1575M #628 = 1585M #632 = 1595M #636 = 1605M #640 = 1615M #644 = 1625M #648 = 1635M #652 = 1645M #656 = 1655M #660 = 1665M #664 = 1675M #668 = 1685M #672 = 1695M #676 = 1705M #680 = 1715M #684 = 1725M #688 = 1735M #692 = 1745M #696 = 1755M #700 = 1765M #704 = 1775M #708 = 1785M #712 = 1795M #716 = 1805M #720 = 1815M #724 = 1825M #728 = 1835M #732 = 1845M #736 = 1855M #740 = 1865M #744 = 1875M #748 = 1885M #752 = 1895M #756 = 1905M #760 = 1915M #764 = 1925M #768 = 1935M #772 = 1945M #776 = 1955M #780 = 1965M #784 = 1975M #788 = 1985M #792 = 1995M #796 = 2005M #800 = 2015M #804 = 2025M #808 = 2035M #812 = 2045M #816 = 2055M #820 = 2065M #824 = 2075M #828 = 2085M #832 = 2095M #836 = 2105M #840 = 2115M #844 = 2125M #848 = 2135M #852 = 2145M #856 = 2155M #860 = 2165M #864 = 2175M #868 = 2185M #872 = 2195M #876 = 2205M #880 = 2215M #884 = 2225M #888 = 2235M #892 = 2245M #896 = 2255M #900 = 2265M #904 = 2275M #908 = 2285M #912 = 2295M #916 = 2305M #920 = 2315M #924 = 2325M #928 = 2335M #932 = 2345M #936 = 2355M #940 = 2365M #944 = 2375M #948 = 2385M #952 = 2395M #956 = 2405M #960 = 2415M #964 = 2425M #968 = 2435M #972 = 2445M #976 = 2455M #980 = 2465M #984 = 2475M #988 = 2485M #992 = 2495M #996 = 2505M #1000 = 2515M #1004 = 2525M #1008 = 2535M #1012 = 2545M #1016 = 2555M #1020 = 2565M #1024 = 2575M #1028 = 2585M #1032 = 2595M #1036 = 2605M #1040 = 2615M #1044 = 2625M #1048 = 2635M #1052 = 2645M #1056 = 2655M #1060 = 2665M #1064 = 2675M #1068 = 2685M #1072 = 2695M #1076 = 2705M #1080 = 2715M #1084 = 2725M #1088 = 2735M #1092 = 2745M #1096 = 2755M #1100 = 2765M #1104 = 2775M #1108 = 2785M #1112 = 2795M #1116 = 2805M #1120 = 2815M #1124 = 2825M #1128 = 2835M #1132 = 2845M #1136 = 2855M #1140 = 2865M #1144 = 2875M #1148 = 2885M #1152 = 2895M #1156 = 2905M #1160 = 2915M #1164 = 2925M #1168 = 2935M #1172 = 2945M #1176 = 2955M #1180 = 2965M #1184 = 2975M #1188 = 2985M #1192 = 2995M #1196 = 3005M #1200 = 3015M #1204 = 3025M #1208 = 3035M #1212 = 3045M #1216 = 3055M #1220 = 3065M #1224 = 3075M #1228 = 3085M #1232 = 3095M #1236 = 3105M #1240 = 3115M #1244 = 3125M #1248 = 3135M #1252 = 3145M #1256 = 3155M #1260 = 3165M #1264 = 3175M #1268 = 3185M #1272 = 3195M #1276 = 3205M #1280 = 3215M #1284 = 3225M #1288 = 3235M #1292 = 3245M #1296 = 3255M #1300 = 3265M #1304 = 3275M #1308 = 3285M #1312 = 3295M #1316 = 3305M #1320 = 3315M #1324 = 3325M #1328 = 3335M #1332 = 3345M #1336 = 3355M #1340 = 3365M #1344 = 3375M #1348 = 3385M #1352 = 3395M #1356 = 3405M #1360 = 3415M #1364 = 3425M #1368 = 3435M #1372 = 3445M #1376 = 3455M #1380 = 3465M #1384 = 3475M #1388 = 3485M #1392 = 3495M #1396 = 3505M #1400 = 3515M #1404 = 3525M #1408 = 3535M #1412 = 3545M #1416 = 3555M #1420 = 3565M #1424 = 3575M #1428 = 3585M #1432 = 3595M #1436 = 3605M #1440 = 3615M #1444 = 3625M #1448 = 3635M #1452 = 3645M #1456 = 3655M #1460 = 3665M #1464 = 3675M #1468 = 3685M #1472 = 3695M #1476 = 3705M #1480 = 3715M #1484 = 3725M #1488 = 3735M #1492 = 3745M #1496 = 3755M #1500 = 3765M #1504 = 3775M #1508 = 3785M #1512 = 3795M #1516 = 3805M #1520 = 3815M #1524 = 3825M #1528 = 3835M #1532 = 3845M #1536 = 3855M #1540 = 3865M #1544 = 3875M #1548 = 3885M #1552 = 3895M #1556 = 3905M #1560 = 3915M #1564 = 3925M #1568 = 3935M #1572 = 3945M #1576 = 3955M #1580 = 3965M #1584 = 3975M #1588 = 3985M #1592 = 3995M #1596 = 4005M #1600 = 4015M #1604 = 4025M #1608 = 4035M #1612 = 4045M #1616 = 4055M #1620 = 4065M #1624 = 4075M #1628 = 4085M #1632 = 4095M #1636 = 4105M #1640 = 4115M #1644 = 4125M #1648 = 4135M #1652 = 4145M #1656 = 4155M #1660 = 4165M #1664 = 4175M #1668 = 4185M #1672 = 4195M #1676 = 4205M #1680 = 4215M #1684 = 4225M #1688 = 4235M #1692 = 4245M #1696 = 4255M #1700 = 4265M #1704 = 4275M #1708 = 4285M #1712 = 4295M #1716 = 4305M #1720 = 4315M #1724 = 4325M #1728 = 4335M #1732 = 4345M #1736 = 4355M #1740 = 4365M #1744 = 4375M #1748 = 4385M #1752 = 4395M #1756 = 4405M #1760 = 4415M #1764 = 4425M #1768 = 4435M #1772 = 4445M #1776 = 4455M #1780 = 4465M #1784 = 4475M #1788 = 4485M #1792 = 4495M #1796 = 4505M #1800 = 4515M #1804 = 4525M #1808 = 4535M #1812 = 4545M #1816 = 4555M #1820 = 4565M #1824 = 4575M #1828 = 4585M #1832 = 4595M #1836 = 4605M #1840 = 4615M #1844 = 4625M #1848 = 4635M #1852 = 4645M #1856 = 4655M #1860 = 4665M #1864 = 4675M #1868 = 4685M #1872 = 4695M #1876 = 4705M #1880 = 4715M #1884 = 4725M #1888 = 4735M #1892 = 4745M #1896 = 4755M #1900 = 4765M #1904 = 4775M #1908 = 4785M #1912 = 4795M #1916 = 4805M #1920 = 4815M #1924 = 4825M #1928 = 4835M #1932 = 4845M #1936 = 4855M #1940 = 4865M #1944 = 4875M #1948 = 4885M #1952 = 4895M #1956 = 4905M #1960 = 4915M #1964 = 4925M #1968 = 4935M #1972 = 4945M #1976 = 4955M #1980 = 4965M #1984 = 4975M #1988 = 4985M #1992 = 4995M #1996 = 5005M #2000 = 5015M #2004 = 5025M #2008 = 5035M #2012 = 5045M #2016 = 5055M #2020 = 5065M #2024 = 5075M #2028 = 5085M #2032 = 5095M #2036 = 5105M #2040 = 5115M #2044 = 5125M #2048 = 5135M #2052 = 5145M #2056 = 5155M #2060 = 5165M #2064 = 5175M #2068 = 5185M #2072 = 5195M #2076 = 5205M #2080 = 5215M #2084 = 5225M #2088 = 5235M #2092 = 5245M #2096 = 5255M #2100 = 5265M #2104 = 5275M #2108 = 5285M #2112 = 5295M #2116 = 5305M #2120 = 5315M #2124 = 5325M #2128 = 5335M #2132 = 5345M #2136 = 5355M #2140 = 5365M #2144 = 5375M #2148 = 5385M #2152 = 5395M #2156 = 5405M #2160 = 5415M #2164 = 5425M #2168 = 5435M #2172 = 5445M #2176 = 5455M #2180 = 5465M #2184 = 5475M #2188 = 5485M #2192 = 5495M #2196 = 5505M #2200 = 5515M #2204 = 5525M #2208 = 5535M #2212 = 5545M #2216 = 5555M #2220 = 5565M #2224 = 5575M #2228 = 5585M #2232 = 5595M #2236 = 5605M #2240 = 5615M #2244 = 5625M #2248 = 5635M #2252 = 5645M #2256 = 5655M #2260 = 5665M #2264 = 5675M #2268 = 5685M #2272 = 5695M #2276 = 5705M #2280 = 5715M #2284 = 5725M #2288 = 5735M #2292 = 5745M #2296 = 5755M #2300 = 5765M #2304 = 5775M #2308 = 5785M #2312 = 5795M #2316 = 5805M #2320 = 5815M #2324 = 5825M #2328 = 5835M #2332 = 5845M #2336 = 5855M #2340 = 5865M #2344 = 5875M #2348 = 5885M #2352 = 5895M #2356 = 5905M #2360 = 5915M #2364 = 5925M #2368 = 5935M #2372 = 5945M #2376 = 5955M #2380 = 5965M #2384 = 5975M #2388 = 5985M #2392 = 5995M #2396 = 6005M #2400 = 6015M #2404 = 6025M #2408 = 6035M #2412 = 6045M #2416 = 6055M #2420 = 6065M #2424 = 6075M #2428 = 6085M #2432 = 6095M #2436 = 6105M #2440 = 6115M #2444 = 6125M #2448 = 6135M #2452 = 6145M #2456 = 6155M #2460 = 6165M #2464 = 6175M #2468 = 6185M #2472 = 6195M #2476 = 6205M #2480 = 6215M #2484 = 6225M #2488 = 6235M #2492 = 6245M #2496 = 6255M #2500 = 6265M #2504 = 6275M #2508 = 6285M #2512 = 6295M #2516 = 6305M #2520 = 6315M #2524 = 6325M #2528 = 6335M #2532 = 6345M #2536 = 6355M #2540 = 6365M #2544 = 6375M #2548 = 6385M #2552 = 6395M #2556 = 6405M #2560 = 6415M #2564 = 6425M #2568 = 6435M #2572 = 6445M #2576 = 6455M #2580 = 6465M #2584 = 6475M #2588 = 6485M #2592 = 6495M #2596 = 6505M #2600 = 6515M #2604 = 6525M #2608 = 6535M #2612 = 6545M #2616 = 6555M #2620 = 6565M #2624 = 6575M #2628 = 6585M #2632 = 6595M #2636 = 6605M #2640 = 6615M #2644 = 6625M #2648 = 6635M #2652 = 6645M #2656 = 6655M #2660 = 6665M #2664 = 6675M #2668 = 6685M #2672 = 6695M #2676 = 6705M #2680 = 6715M #2684 = 6725M #2688 = 6735M #2692 = 6745M #2696 = 6755M #2700 = 6765M #2704 = 6775M #2708 = 6785M #2712 = 6795M #2716 = 6805M #2720 = 6815M #2724 = 6825M #2728 = 6835M #2732 = 6845M #2736 = 6855M #2740 = 6865M #2744 = 6875M #2748 = 6885M #2752 = 6895M #2756 = 6905M #2760 = 6915M #2764 = 6925M #2768 = 6935M #2772 = 6945M #2776 = 6955M #2780 = 6965M #2784 = 6975M #2788 = 6985M #2792 = 6995M #2796 = 7005M #2800 = 7015M #2804 = 7025M #2808 = 7035M #2812 = 7045M #2816 = 7055M #2820 = 7065M #2824 = 7075M #2828 = 7085M #2832 = 7095M #2836 = 7105M #2840 = 7115M #2844 = 7125M #2848 = 7135M #2852 = 7145M #2856 = 7155M #2860 = 7165M #2864 = 7175M #2868 = 7185M #2872 = 7195M #2876 = 7205M #2880 = 7215M #2884 = 7225M #2888 = 7235M #2892 = 7245M #2896 = 7255M #2900 = 7265M #2904 = 7275M #2908 = 7285M #2912 = 7295M #2916 = 7305M #2920 = 7315M #2924 = 7325M #2928 = 7335M #2932 = 7345M #2936 = 7355M #2940 = 7365M #2944 = 7375M #2948 = 7385M #2952 = 7395M #2956 = 7405M #2960 = 7415M #2964 = 7425M #2968 = 7435M #2972 = 7445M #2976 = 7455M #2980 = 7465M #2984 = 7475M #2988 = 7485M #2992 = 7495M #2996 = 7505M #3000 = 7515M #3004 = 7525M #3008 = 7535M #3012 = 7545M #3016 = 7555M #3020 = 7565M #3024 = 7575M #3028 = 7585M #3032 = 7595M #3036 = 7605M #3040 = 7615M #3044 = 7625M #3048 = 7635M #3052 = 7645M #3056 = 7655M #3060 = 7665M #3064 = 7675M #3068 = 7685M #3072 = 7695M #3076 = 7705M #3080 = 7715M #3084 = 7725M #3088 = 7735M #3092 = 7745M #3096 = 7755M #3100 = 7765M #3104 = 7775M #3108 = 7785M #3112 = 7795M #3116 = 7805M #3120 = 7815M #3124 = 7825M #3128 = 7835M #3132 = 7845M #3136 = 7855M #3140 = 7865M #3144 = 7875M #3148 = 7885M #3152 = 7895M #3156 = 7905M #3160 = 7915M #3164 = 7925M #3168 = 7935M #3172 = 7945M #3176 = 7955M #3180 = 7965M #3184 = 7975M #3188 = 7985M #3192 = 7995M #3196 = 8005M #3200 = 8015M #3204 = 8025M #3208 = 8035M #3212 = 8045M #3216 = 8055M #3220 = 8065M #3224 = 8075M #3228 = 8085M #3232 = 8095M #3236 = 8105M #3240 = 8115M #3244 = 8125M #3248 = 8135M #3252 = 8145M #3256 = 8155M #3260 = 8165M #3264 = 8175M #3268 = 8185M #3272 = 8195M #3276 = 8205M #3280 = 8215M #3284 = 8225M #3288 = 8235M #3292 = 8245M #3296 = 8255M #3300 = 8265M #3304 = 8275M #3308 = 8285M #3312 = 8295M #3316 = 8305M #3320 = 8315M #3324 = 8325M #3328 = 8335M #3332 = 8345M #3336 = 8355M #3340 = 8365M #3344 = 8375M #3348 = 8385M #3352 = 8395M #3356 = 8405M #3360 = 8415M #3364 = 8425M #3368 = 8435M #3372 = 8445M #3376 = 8455M #3380 = 8465M #3384 = 8475M #3388 = 8485M #3392 = 8495M #3396 = 8505M #3400 = 8515M #3404 = 8525M #3408 = 8535M #3412 = 8545M #3416 = 8555M #3420 = 8565M #3424 = 8575M #3428 = 8585M #3432 = 8595M #3436 = 8605M #3440 = 8615M #3444 = 8625M #3448 = 8635M #3452 = 8645M #3456 = 8655M #3460 = 8665M #3464 = 8675M #3468 = 8685M #3472 = 8695M #3476 = 8705M #3480 = 8715M #3484 = 8725M #3488 = 8735M #3492 = 8745M #3496 = 8755M #3500 = 8765M #3504 = 8775M #3508 = 8785M #3512 = 8795M #3516 = 8805M #3520 = 8815M #3524 = 8825M #3528 = 8835M #3532 = 8845M #3536 = 8855M #3540 = 8865M #3544 = 8875M #35

NOTES:  
 1. Stirrup Spacing = 13"  
 2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".  
 \* (The smaller diameter of 10M bar has already been factored within the required steel for each scenario) #4 = 10M  
 #5 = 15M  
 #6 = 20M  
 1-#4 + 1-#5 may be substituted for 1-#6  
 2-#4 may be substituted for 1-#5



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Table Prepared by:

Table No.  
**L 6-21I**

6" Thick  
 21" Deep  
 Lintels

**E** **LINTEL TABLES (L6-24M)**

| <b>600mm Lintel Depth</b> |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |
|---------------------------|---------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|
| Opening Width             | Uniformly Distributed Load KN/m |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |
|                           | 7.0 KN/m                        | 10.5 KN/m         | 14.0 KN/m           | 17.5 KN/m         | 21.0 KN/m           | 24.5 KN/m         | 28.0 KN/m           | 31.5 KN/m         | 35.0 KN/m           |                   |                     |                   |                     |
|                           | 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 |
| 900mm                     | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               |
| 1200mm                    | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               |
| 1500mm                    | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-15M               |
| 1800mm                    | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               |
| 2400mm                    | 1-10M                           | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 650               | 1-15M               | 700               | 1-20M               |
| 3000mm                    | 1-15M                           | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 950               | 1-20M               | 1000              | 2-15M               |
| 3600mm                    | 1-15M                           | 0                 | 1-20M               | 850               | 1-20M               | 1000              | 1-20M               | 1150              | 1-15M + 1-20M       | 1250              | 1-15M + 1-20M       | 1300              | 1-15M + 1-20M       |
| 4200mm                    | 1-15M                           | 0                 | 1-20M               | 850               | 1-20M               | 1300              | 1-15M + 1-20M       | 1450              | 1-15M + 1-20M       | 1550              | 1-10M + 2-20M       | 1600              | 1-15M + 2-20M       |
| 4800mm                    | 1-20M                           | 650               | 1-20M               | 1150              | 1-15M + 1-20M       | 1600              | 1-15M + 1-20M       | 1750              | 1-10M + 2-20M       | 1850              | 1-15M + 2-20M       | 1900              |                     |
| 5400mm                    | 1-20M                           | 950               | 1-15M + 1-20M       | 1450              | 1-10M + 2-20M       | 1900              | 1-10M + 2-20M       | 2050              |                     |                   |                     |                   |                     |
| 6000mm                    | 2-15M                           | 1250              | 1-15M + 1-20M       | 1750              | 1-10M + 2-20M       | 2200              | 3-20M               |                   |                     |                   |                     |                   |                     |

NOTES:  
 1. Stirrup Spacing = 381 mm  
 2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".  
 All Stirrup End Distance measurements above are listed in mm  
 For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5



INTEGRATED BUILDING TECHNOLOGY  
Building Value.  
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**TACOMA ENGINEERS**  
 Table Prepared by:  
**L 6-24M**

150mm Thick  
600mm Deep  
Lintels

Table No.  
**L 6-24M**



**E** **LINTEL TABLES (L6-24I)**

| Opening Width | 24" Lintel Depth                  |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|---------------|-----------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
|               | Uniformly Distributed Load lbs/ft |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|               | 480 lbs/ft                        | 715 lbs/ft        | 955 lbs/ft          | 1195 lbs/ft       | 1435 lbs/ft         | 1675 lbs/ft       | 1915 lbs/ft         | 2155 lbs/ft       | 2395 lbs/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. |
| 3'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 4'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 5'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 0"                |
| 6'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                |
| 8'-0"         | 1-#4                              | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 26"               | 1-#5                | 28"               | 1-#6                | 32"               |
| 10'-0"        | 1-#5                              | 0"                | 1-#5                | 0"                | 1-#6                | 34"               | 1-#6                | 38"               | 1-#6                | 40"               | 2-#5                | 44"               |
| 12'-0"        | 1-#5                              | 0"                | 1-#6                | 34"               | 1-#6                | 40"               | 2-#5                | 50"               | 1-#5 + 1-#6         | 52"               | 2-#6                | 56"               |
| 14'-0"        | 1-#5                              | 0"                | 1-#6                | 46"               | 2-#5                | 52"               | 1-#5 + 1-#6         | 62"               | 1-#4 + 2-#6         | 64"               | 1-#5 + 2-#6         | 68"               |
| 16'-0"        | 1-#6                              | 26"               | 1-#6                | 46"               | 2-#5                | 58"               | 1-#5 + 1-#6         | 74"               |                     | 76"               |                     |                   |
| 18'-0"        | 1-#6                              | 38"               | 2-#5                | 58"               | 2-#6 + 1-#5         | 82"               |                     |                   |                     |                   |                     |                   |
| 20'-0"        | 2-#5                              | 50"               | 1-#5 + 1-#6         | 82"               | 3-#6                | 88"               |                     |                   |                     |                   |                     |                   |

**NOTES:**

1. Stirrup Spacing = 15"
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For imperial dimension based projects within Canada using #4 = 10M metric bar sizes - the following substitutions are applicable #5 = 15M #6 = 20M #8 = 25M #10 = 32M #12 = 36M #14 = 42M #16 = 49M #18 = 56M #20 = 64M #22 = 76M #24 = 89M #28 = 102M #32 = 118M #36 = 133M #40 = 152M #44 = 170M #48 = 188M #52 = 206M #56 = 224M #60 = 242M #64 = 260M #68 = 278M #72 = 296M #76 = 314M #80 = 332M #84 = 350M #88 = 368M #92 = 386M #96 = 404M #100 = 422M #104 = 440M #108 = 458M #112 = 476M #116 = 494M #120 = 512M #124 = 530M #128 = 548M #132 = 566M #136 = 584M #140 = 602M #144 = 620M #148 = 638M #152 = 656M #156 = 674M #160 = 692M #164 = 710M #168 = 728M #172 = 746M #176 = 764M #180 = 782M #184 = 800M #188 = 818M #192 = 836M #196 = 854M #200 = 872M #204 = 890M #208 = 908M #212 = 926M #216 = 944M #220 = 962M #224 = 980M #228 = 998M #232 = 1016M #236 = 1034M #240 = 1052M #244 = 1070M #248 = 1088M #252 = 1106M #256 = 1124M #260 = 1142M #264 = 1160M #268 = 1178M #272 = 1196M #276 = 1214M #280 = 1232M #284 = 1250M #288 = 1268M #292 = 1286M #296 = 1304M #300 = 1322M #304 = 1340M #308 = 1358M #312 = 1376M #316 = 1394M #320 = 1412M #324 = 1430M #328 = 1448M #332 = 1466M #336 = 1484M #340 = 1502M #344 = 1520M #348 = 1538M #352 = 1556M #356 = 1574M #360 = 1592M #364 = 1610M #368 = 1628M #372 = 1646M #376 = 1664M #380 = 1682M #384 = 1700M #388 = 1718M #392 = 1736M #396 = 1754M #400 = 1772M #404 = 1790M #408 = 1808M #412 = 1826M #416 = 1844M #420 = 1862M #424 = 1880M #428 = 1898M #432 = 1916M #436 = 1934M #440 = 1952M #444 = 1970M #448 = 1988M #452 = 2006M #456 = 2024M #460 = 2042M #464 = 2060M #468 = 2078M #472 = 2096M #476 = 2114M #480 = 2132M #484 = 2150M #488 = 2168M #492 = 2186M #496 = 2204M #500 = 2222M #504 = 2240M #508 = 2258M #512 = 2276M #516 = 2294M #520 = 2312M #524 = 2330M #528 = 2348M #532 = 2366M #536 = 2384M #540 = 2402M #544 = 2420M #548 = 2438M #552 = 2456M #556 = 2474M #560 = 2492M #564 = 2510M #568 = 2528M #572 = 2546M #576 = 2564M #580 = 2582M #584 = 2600M #588 = 2618M #592 = 2636M #596 = 2654M #600 = 2672M #604 = 2690M #608 = 2708M #612 = 2726M #616 = 2744M #620 = 2762M #624 = 2780M #628 = 2798M #632 = 2816M #636 = 2834M #640 = 2852M #644 = 2870M #648 = 2888M #652 = 2906M #656 = 2924M #660 = 2942M #664 = 2960M #668 = 2978M #672 = 2996M #676 = 3014M #680 = 3032M #684 = 3050M #688 = 3068M #692 = 3086M #696 = 3104M #700 = 3122M #704 = 3140M #708 = 3158M #712 = 3176M #716 = 3194M #720 = 3212M #724 = 3230M #728 = 3248M #732 = 3266M #736 = 3284M #740 = 3302M #744 = 3320M #748 = 3338M #752 = 3356M #756 = 3374M #760 = 3392M #764 = 3410M #768 = 3428M #772 = 3446M #776 = 3464M #780 = 3482M #784 = 3500M #788 = 3518M #792 = 3536M #796 = 3554M #800 = 3572M #804 = 3590M #808 = 3608M #812 = 3626M #816 = 3644M #820 = 3662M #824 = 3680M #828 = 3698M #832 = 3716M #836 = 3734M #840 = 3752M #844 = 3770M #848 = 3788M #852 = 3806M #856 = 3824M #860 = 3842M #864 = 3860M #868 = 3878M #872 = 3896M #876 = 3914M #880 = 3932M #884 = 3950M #888 = 3968M #892 = 3986M #896 = 4004M #900 = 4022M #904 = 4040M #908 = 4058M #912 = 4076M #916 = 4094M #920 = 4112M #924 = 4130M #928 = 4148M #932 = 4166M #936 = 4184M #940 = 4202M #944 = 4220M #948 = 4238M #952 = 4256M #956 = 4274M #960 = 4292M #964 = 4310M #968 = 4328M #972 = 4346M #976 = 4364M #980 = 4382M #984 = 4400M #988 = 4418M #992 = 4436M #996 = 4454M #1000 = 4472M



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**TACOMA**  
ENGINEERS

Table Prepared by:

6" Thick  
24" Deep  
Lintels

Table No.  
**L 6-24I**





**E** **LINTEL TABLES (L8-9M)**

| 225mm Lintel Depth |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|--------------------|---------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
| Opening Width      | Uniformly Distributed Load KN/m |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|                    | 7.0 KN/m                        |                   | 10.5 KN/m           |                   | 14.0 KN/m           |                   | 17.5 KN/m           |                   | 21.0 KN/m           |                   | 24.5 KN/m           |                   | 28.0 KN/m           |                   | 31.5 KN/m           |                   | 35.0 KN/m           |                   |                     |                   |                     |                   |                     |                   |
|                    | 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. | Bottom Reinf. Steel | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. |
| 900mm              | 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                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 |
| 1200mm             | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 |
| 1500mm             | 1-10M                           | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 |
| 1800mm             | 1-15M                           | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 |
| 2400mm             | 1-15M                           | 0                 | 1-20M               | 0                 | 2-15M               | 350               | 1-15M + 1-20M       | 550               | 2-20M               | 650               | 1-15M + 1-20M       | 700               | 1-15M + 1-20M       | 700               | 1-15M + 1-20M       | 700               | 1-15M + 1-20M       | 700               | 1-15M + 1-20M       | 700               | 1-15M + 1-20M       | 700               | 1-15M + 1-20M       | 700               |
| 3000mm             | 1-20M                           | 0                 | 1-15M + 1-20M       | 400               | 1-10M + 2-20M       | 650               | 1-15M + 1-20M       | 650               | 1-15M + 1-20M       | 650               | 1-15M + 1-20M       | 650               | 1-15M + 1-20M       | 650               | 1-15M + 1-20M       | 650               | 1-15M + 1-20M       | 650               | 1-15M + 1-20M       | 650               | 1-15M + 1-20M       | 650               | 1-15M + 1-20M       | 650               |
| 3600mm             | 1-15M + 1-20M                   | 200               | 1-15M + 1-20M       | 700               | 1-15M + 1-20M       | 700               | 1-15M + 1-20M       | 700               | 1-15M + 1-20M       | 700               | 1-15M + 1-20M       | 700               | 1-15M + 1-20M       | 700               | 1-15M + 1-20M       | 700               | 1-15M + 1-20M       | 700               | 1-15M + 1-20M       | 700               | 1-15M + 1-20M       | 700               | 1-15M + 1-20M       | 700               |
| 4200mm             | 1-10M + 2-20M                   | 500               | 1-10M + 2-20M       | 700               | 1-10M + 2-20M       | 700               | 1-10M + 2-20M       | 700               | 1-10M + 2-20M       | 700               | 1-10M + 2-20M       | 700               | 1-10M + 2-20M       | 700               | 1-10M + 2-20M       | 700               | 1-10M + 2-20M       | 700               | 1-10M + 2-20M       | 700               | 1-10M + 2-20M       | 700               | 1-10M + 2-20M       | 700               |
| 4800mm             |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 5400mm             |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 6000mm             |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |

NOTES:

1. Stirrup Spacing = 102 mm

2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5

200mm Thick

225mm Deep

Lintels

Table No.

L 8-9M

TACOMA

ENGINEERS

PROFESSIONAL ENGINEER

J. J. TACOMA

48349505

MAR 27 2006

PROVINCE OF ONTARIO

Building Value.

INTEGRATED BUILDING TECHNOLOGY

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NOTES:  
 1. Stirrup Spacing = 102 mm  
 2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".  
 All Stirrup End Distance measurements above are listed in mm  
 For metric dimension based projects 10M = #4 within the USA using Imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5



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Building Value.  
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**TACOMA ENGINEERS**  
 Table Prepared by:  
**L 8-9M**

**E** **LINTEL TABLES (L8-9I)**

| 9" Lintel Depth                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |  |
|-----------------------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|--|
| Uniformly Distributed Load lbs/ft |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |  |
| Opening Width                     | 480 lbs/ft          |                   | 715 lbs/ft          |                   | 955 lbs/ft          |                   | 1195 lbs/ft         |                   | 1435 lbs/ft         |                   | 1675 lbs/ft         |                   | 1915 lbs/ft         |                   | 2155 lbs/ft         |                   | 2395 lbs/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. |  |
| 3'-0"                             | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                |  |
| 4'-0"                             | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 10"               | 1-#5                | 10"               |  |
| 5'-0"                             | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 10"               | 1-#6                | 14"               | 1-#6                | 16"               | 1-#6                | 16"               |  |
| 6'-0"                             | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#6                | 10"               | 1-#6                | 14"               | 2-#5                | 16"               | 2-#5                | 20"               | 1-#5 + 1-#6         | 22"               | 1-#5 + 1-#6         | 22"               |  |
| 8'-0"                             | 1-#5                | 0"                | 1-#6                | 0"                | 2-#5                | 14"               | 1-#5 + 1-#6         | 22"               | 2-#6                | 26"               | 1-#5 + 2-#6         | 28"               |                     |                   |                     |                   |                     |                   |  |
| 10'-0"                            | 1-#6                | 0"                | 1-#5 + 1-#6         | 16"               | 1-#4 + 2-#6         | 26"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |  |
| 12'-0"                            | 1-#5 + 1-#6         | 8"                | 1-#5 + 2-#6         | 28"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |  |
| 14'-0"                            | 1-#4 + 2-#6         | 28"               |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |  |
| 16'-0"                            |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |  |
| 18'-0"                            |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |  |
| 20'-0"                            |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |  |

NOTES:

1. Stirrup Spacing = 4"

2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For imperial dimension based projects within Canada using #4 = 10M metric bar sizes - the following substitutions are applicable #5 = 15M #6 = 20M 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5

8" Thick

9" Deep

Lintels

Table No.

L 8-9I

TACOMA

ENGINEERS

PROFESSIONAL ENGINEER

D. J. TACOMA

#45-09505

MAY 22 2005

NUDURA

INTEGRATED BUILDING TECHNOLOGY

Building Value.

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**NOTES:**

1. Stirrup Spacing = 4"
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For Imperial dimension based projects within Canada using #4 = 10M metric bar sizes - the following substitutions are applicable #5 = 15M #6 = 20M #8 = 25M #10 = 30M #12 = 35M #14 = 40M #16 = 45M #18 = 50M #20 = 55M #22 = 60M #24 = 65M #26 = 70M #28 = 75M #30 = 80M #32 = 85M #34 = 90M #36 = 95M #38 = 100M #40 = 105M #42 = 110M #44 = 115M #46 = 120M #48 = 125M #50 = 130M #52 = 135M #54 = 140M #56 = 145M #58 = 150M #60 = 155M #62 = 160M #64 = 165M #66 = 170M #68 = 175M #70 = 180M #72 = 185M #74 = 190M #76 = 195M #78 = 200M #80 = 205M #82 = 210M #84 = 215M #86 = 220M #88 = 225M #90 = 230M #92 = 235M #94 = 240M #96 = 245M #98 = 250M #100 = 255M #102 = 260M #104 = 265M #106 = 270M #108 = 275M #110 = 280M #112 = 285M #114 = 290M #116 = 295M #118 = 300M #120 = 305M #122 = 310M #124 = 315M #126 = 320M #128 = 325M #130 = 330M #132 = 335M #134 = 340M #136 = 345M #138 = 350M #140 = 355M #142 = 360M #144 = 365M #146 = 370M #148 = 375M #150 = 380M #152 = 385M #154 = 390M #156 = 395M #158 = 400M #160 = 405M #162 = 410M #164 = 415M #166 = 420M #168 = 425M #170 = 430M #172 = 435M #174 = 440M #176 = 445M #178 = 450M #180 = 455M #182 = 460M #184 = 465M #186 = 470M #188 = 475M #190 = 480M #192 = 485M #194 = 490M #196 = 495M #198 = 500M #200 = 505M #202 = 510M #204 = 515M #206 = 520M #208 = 525M #210 = 530M #212 = 535M #214 = 540M #216 = 545M #218 = 550M #220 = 555M #222 = 560M #224 = 565M #226 = 570M #228 = 575M #230 = 580M #232 = 585M #234 = 590M #236 = 595M #238 = 600M #240 = 605M #242 = 610M #244 = 615M #246 = 620M #248 = 625M #250 = 630M #252 = 635M #254 = 640M #256 = 645M #258 = 650M #260 = 655M #262 = 660M #264 = 665M #266 = 670M #268 = 675M #270 = 680M #272 = 685M #274 = 690M #276 = 695M #278 = 700M #280 = 705M #282 = 710M #284 = 715M #286 = 720M #288 = 725M #290 = 730M #292 = 735M #294 = 740M #296 = 745M #298 = 750M #300 = 755M #302 = 760M #304 = 765M #306 = 770M #308 = 775M #310 = 780M #312 = 785M #314 = 790M #316 = 795M #318 = 800M #320 = 805M #322 = 810M #324 = 815M #326 = 820M #328 = 825M #330 = 830M #332 = 835M #334 = 840M #336 = 845M #338 = 850M #340 = 855M #342 = 860M #344 = 865M #346 = 870M #348 = 875M #350 = 880M #352 = 885M #354 = 890M #356 = 895M #358 = 900M #360 = 905M #362 = 910M #364 = 915M #366 = 920M #368 = 925M #370 = 930M #372 = 935M #374 = 940M #376 = 945M #378 = 950M #380 = 955M #382 = 960M #384 = 965M #386 = 970M #388 = 975M #390 = 980M #392 = 985M #394 = 990M #396 = 995M #398 = 1000M #400 = 1005M #402 = 1010M #404 = 1015M #406 = 1020M #408 = 1025M #410 = 1030M #412 = 1035M #414 = 1040M #416 = 1045M #418 = 1050M #420 = 1055M #422 = 1060M #424 = 1065M #426 = 1070M #428 = 1075M #430 = 1080M #432 = 1085M #434 = 1090M #436 = 1095M #438 = 1100M #440 = 1105M #442 = 1110M #444 = 1115M #446 = 1120M #448 = 1125M #450 = 1130M #452 = 1135M #454 = 1140M #456 = 1145M #458 = 1150M #460 = 1155M #462 = 1160M #464 = 1165M #466 = 1170M #468 = 1175M #470 = 1180M #472 = 1185M #474 = 1190M #476 = 1195M #478 = 1200M #480 = 1205M #482 = 1210M #484 = 1215M #486 = 1220M #488 = 1225M #490 = 1230M #492 = 1235M #494 = 1240M #496 = 1245M #498 = 1250M #500 = 1255M #502 = 1260M #504 = 1265M #506 = 1270M #508 = 1275M #510 = 1280M #512 = 1285M #514 = 1290M #516 = 1295M #518 = 1300M #520 = 1305M #522 = 1310M #524 = 1315M #526 = 1320M #528 = 1325M #530 = 1330M #532 = 1335M #534 = 1340M #536 = 1345M #538 = 1350M #540 = 1355M #542 = 1360M #544 = 1365M #546 = 1370M #548 = 1375M #550 = 1380M #552 = 1385M #554 = 1390M #556 = 1395M #558 = 1400M #560 = 1405M #562 = 1410M #564 = 1415M #566 = 1420M #568 = 1425M #570 = 1430M #572 = 1435M #574 = 1440M #576 = 1445M #578 = 1450M #580 = 1455M #582 = 1460M #584 = 1465M #586 = 1470M #588 = 1475M #590 = 1480M #592 = 1485M #594 = 1490M #596 = 1495M #598 = 1500M #600 = 1505M #602 = 1510M #604 = 1515M #606 = 1520M #608 = 1525M #610 = 1530M #612 = 1535M #614 = 1540M #616 = 1545M #618 = 1550M #620 = 1555M #622 = 1560M #624 = 1565M #626 = 1570M #628 = 1575M #630 = 1580M #632 = 1585M #634 = 1590M #636 = 1595M #638 = 1600M #640 = 1605M #642 = 1610M #644 = 1615M #646 = 1620M #648 = 1625M #650 = 1630M #652 = 1635M #654 = 1640M #656 = 1645M #658 = 1650M #660 = 1655M #662 = 1660M #664 = 1665M #666 = 1670M #668 = 1675M #670 = 1680M #672 = 1685M #674 = 1690M #676 = 1695M #678 = 1700M #680 = 1705M #682 = 1710M #684 = 1715M #686 = 1720M #688 = 1725M #690 = 1730M #692 = 1735M #694 = 1740M #696 = 1745M #698 = 1750M #700 = 1755M #702 = 1760M #704 = 1765M #706 = 1770M #708 = 1775M #710 = 1780M #712 = 1785M #714 = 1790M #716 = 1795M #718 = 1800M #720 = 1805M #722 = 1810M #724 = 1815M #726 = 1820M #728 = 1825M #730 = 1830M #732 = 1835M #734 = 1840M #736 = 1845M #738 = 1850M #740 = 1855M #742 = 1860M #744 = 1865M #746 = 1870M #748 = 1875M #750 = 1880M #752 = 1885M #754 = 1890M #756 = 1895M #758 = 1900M #760 = 1905M #762 = 1910M #764 = 1915M #766 = 1920M #768 = 1925M #770 = 1930M #772 = 1935M #774 = 1940M #776 = 1945M #778 = 1950M #780 = 1955M #782 = 1960M #784 = 1965M #786 = 1970M #788 = 1975M #790 = 1980M #792 = 1985M #794 = 1990M #796 = 1995M #798 = 2000M #800 = 2005M #802 = 2010M #804 = 2015M #806 = 2020M #808 = 2025M #810 = 2030M #812 = 2035M #814 = 2040M #816 = 2045M #818 = 2050M #820 = 2055M #822 = 2060M #824 = 2065M #826 = 2070M #828 = 2075M #830 = 2080M #832 = 2085M #834 = 2090M #836 = 2095M #838 = 2100M #840 = 2105M #842 = 2110M #844 = 2115M #846 = 2120M #848 = 2125M #850 = 2130M #852 = 2135M #854 = 2140M #856 = 2145M #858 = 2150M #860 = 2155M #862 = 2160M #864 = 2165M #866 = 2170M #868 = 2175M #870 = 2180M #872 = 2185M #874 = 2190M #876 = 2195M #878 = 2200M #880 = 2205M #882 = 2210M #884 = 2215M #886 = 2220M #888 = 2225M #890 = 2230M #892 = 2235M #894 = 2240M #896 = 2245M #898 = 2250M #900 = 2255M #902 = 2260M #904 = 2265M #906 = 2270M #908 = 2275M #910 = 2280M #912 = 2285M #914 = 2290M #916 = 2295M #918 = 2300M #920 = 2305M #922 = 2310M #924 = 2315M #926 = 2320M #928 = 2325M #930 = 2330M #932 = 2335M #934 = 2340M #936 = 2345M #938 = 2350M #940 = 2355M #942 = 2360M #944 = 2365M #946 = 2370M #948 = 2375M #950 = 2380M #952 = 2385M #954 = 2390M #956 = 2395M #958 = 2400M #960 = 2405M #962 = 2410M #964 = 2415M #966 = 2420M #968 = 2425M #970 = 2430M #972 = 2435M #974 = 2440M #976 = 2445M #978 = 2450M #980 = 2455M #982 = 2460M #984 = 2465M #986 = 2470M #988 = 2475M #990 = 2480M #992 = 2485M #994 = 2490M #996 = 2495M #998 = 2500M #1000 = 2505M #1002 = 2510M #1004 = 2515M #1006 = 2520M #1008 = 2525M #1010 = 2530M #1012 = 2535M #1014 = 2540M #1016 = 2545M #1018 = 2550M #1020 = 2555M #1022 = 2560M #1024 = 2565M #1026 = 2570M #1028 = 2575M #1030 = 2580M #1032 = 2585M #1034 = 2590M #1036 = 2595M #1038 = 2600M #1040 = 2605M #1042 = 2610M #1044 = 2615M #1046 = 2620M #1048 = 2625M #1050 = 2630M #1052 = 2635M #1054 = 2640M #1056 = 2645M #1058 = 2650M #1060 = 2655M #1062 = 2660M #1064 = 2665M #1066 = 2670M #1068 = 2675M #1070 = 2680M #1072 = 2685M #1074 = 2690M #1076 = 2695M #1078 = 2700M #1080 = 2705M #1082 = 2710M #1084 = 2715M #1086 = 2720M #1088 = 2725M #1090 = 2730M #1092 = 2735M #1094 = 2740M #1096 = 2745M #1098 = 2750M #1100 = 2755M #1102 = 2760M #1104 = 2765M #1106 = 2770M #1108 = 2775M #1110 = 2780M #1112 = 2785M #1114 = 2790M #1116 = 2795M #1118 = 2800M #1120 = 2805M #1122 = 2810M #1124 = 2815M #1126 = 2820M #1128 = 2825M #1130 = 2830M #1132 = 2835M #1134 = 2840M #1136 = 2845M #1138 = 2850M #1140 = 2855M #1142 = 2860M #1144 = 2865M #1146 = 2870M #1148 = 2875M #1150 = 2880M #1152 = 2885M #1154 = 2890M #1156 = 2895M #1158 = 2900M #1160 = 2905M #1162 = 2910M #1164 = 2915M #1166 = 2920M #1168 = 2925M #1170 = 2930M #1172 = 2935M #1174 = 2940M #1176 = 2945M #1178 = 2950M #1180 = 2955M #1182 = 2960M #1184 = 2965M #1186 = 2970M #1188 = 2975M #1190 = 2980M #1192 = 2985M #1194 = 2990M #1196 = 2995M #1198 = 3000M #1200 = 3005M #1202 = 3010M #1204 = 3015M #1206 = 3020M #1208 = 3025M #1210 = 3030M #1212 = 3035M #1214 = 3040M #1216 = 3045M #1218 = 3050M #1220 = 3055M #1222 = 3060M #1224 = 3065M #1226 = 3070M #1228 = 3075M #1230 = 3080M #1232 = 3085M #1234 = 3090M #1236 = 3095M #1238 = 3100M #1240 = 3105M #1242 = 3110M #1244 = 3115M #1246 = 3120M #1248 = 3125M #1250 = 3130M #1252 = 3135M #1254 = 3140M #1256 = 3145M #1258 = 3150M #1260 = 3155M #1262 = 3160M #1264 = 3165M #1266 = 3170M #1268 = 3175M #1270 = 3180M #1272 = 3185M #1274 = 3190M #1276 = 3195M #1278 = 3200M #1280 = 3205M #1282 = 3210M #1284 = 3215M #1286 = 3220M #1288 = 3225M #1290 = 3230M #1292 = 3235M #1294 = 3240M #1296 = 3245M #1298 = 3250M #1300 = 3255M #1302 = 3260M #1304 = 3265M #1306 = 3270M #1308 = 3275M #1310 = 3280M #1312 = 3285M #1314 = 3290M #1316 = 3295M #1318 = 3300M #1320 = 3305M #1322 = 3310M #1324 = 3315M #1326 = 3320M #1328 = 3325M #1330 = 3330M #1332 = 3335M #1334 = 3340M #1336 = 3345M #1338 = 3350M #1340 = 3355M #1342 = 3360M #1344 = 3365M #1346 = 3370M #1348 = 3375M #1350 = 3380M #1352 = 3385M #1354 = 3390M #1356 = 3395M #1358 = 3400M #1360 = 3405M #1362 = 3410M #1364 = 3415M #1366 = 3420M #1368 = 3425M #1370 = 3430M #1372 = 3435M #1374 = 3440M #1376 = 3445M #1378 = 3450M #1380 = 3455M #1382 = 3460M #1384 = 3465M #1386 = 3470M #1388 = 3475M #1390 = 3480M #1392 = 3485M #1394 = 3490M #1396 = 3495M #1398 = 3500M #1400 = 3505M #1402 = 3510M #1404 = 3515M #1406 = 3520M #1408 = 3525M #1410 = 3530M #1412 = 3535M #1414 = 3540M #1416 = 3545M #1418 = 3550M #1420 = 3555M #1422 = 3560M #1424 = 3565M #1426 = 3570M #1428 = 3575M #1430 = 3580M #1432 = 3585M #1434 = 3590M #1436 = 3595M #1438 = 3600M #1440 = 3605M #1442 = 3610M #1444 = 3615M #1446 = 3620M #1448 = 3625M #1450 = 3630M #1452 = 3635M #1454 = 3640M #1456 = 3645M #1458 = 3650M #1460 = 3655M #1462 = 3660M #1464 = 3665M #1466 = 3670M #1468 = 3675M #1470 = 3680M #1472 = 3685M #1474 = 3690M #1476 = 3695M #1478 = 3700M #1480 = 3705M #1482 = 3710M #1484 = 3715M #1486 = 3720M #1488 = 3725M #1490 = 3730M #1492 = 3735M #1494 = 3740M #1496 = 3745M #1498 = 3750M #1500 = 3755M #1502 = 3760M #1504 = 3765M #1506 = 3770M #1508 = 3775M #1510 = 3780M #1512 = 3785M #1514 = 3790M #1516 = 3795M #1518 = 3800M #1520 = 3805M #1522 = 3810M #1524 = 3815M #1526 = 3820M #1528 = 3825M #1530 = 3830M #1532 = 3835M #1534 = 3840M #1536 = 3845M #1538 = 3850M #1540 = 3855M #1542 = 3860M #1544 = 3865M #1546 = 3870M #1548 = 3875M #1550 = 3880M #1552 = 3885M #1554 = 3890M #1556 = 3895M #1558 = 3900M #1560 = 3905M #1562 = 3910M #1564 = 3915M #1566 = 3920M #1568 = 3925M #1570 = 3930M #1572 = 3935M #1574 = 3940M #1576 = 3945M #1578 = 3950M #1580 = 3955M #1582 = 3960M #1584 = 3965M #1586 = 3970M #1588 = 3975M #1590 = 3980M #1592 = 3985M #1594 = 3990M #1596 = 3995M #1598 = 4000M #1600 = 4005M #1602 = 4010M #1604 = 4015M #1606 = 4020M #1608 = 4025M #1610 = 4030M #1612 = 4035M #1614 = 4040M #1616 = 4045M #1618 = 4050M #1620 = 4055M #1622 = 4060M #1624 = 4065M #1626 = 4070M #1628 = 4075M #1630 = 4080M #1632 = 4085M #1634 = 4090M #1636 = 4095M #1638 = 4100M #1640 = 4105M #1642 = 4110M #1644 = 4115M #1646 = 4120M #1648 = 4125M #1650 = 4130M #1652 = 4135M #1654 = 4140M #1656 = 4145M #1658 = 4150M #1660 = 4155M #1662 = 4160M #1664 = 4165M #1666 = 4170M #1668 = 4175M #1670 = 4180M #1672 = 4185M #1674 = 4190M #1676 = 4195M #1678 = 4200M #1680 = 4205M #1682 = 4210M #1684 = 4215M #1686 = 4220M #1688 = 4225M #1690 = 4230M #1692 = 4235M #1694 = 4240M #1696 = 4245M #1698 = 4250M #1700 = 4255M #1702 = 4260M #1704 = 4265M #1706 = 4270M #1708 = 4275M #1710 = 4280M #1712 = 4285M #1714 = 4290M #1716 = 4295M #1718 = 4300M #1720 = 4305M #1722 = 4310M #1724 = 4315M #1726 = 4320M #1728 = 4325M #1730 = 4330M #1732 = 4335M #1734 = 4340M #1736 = 4345M #1738 = 4350M #1740 = 4355M #1742 = 4360M #1744 = 4365M #1746 = 4370M #1748 = 4375M #1750 = 4380M #1752 = 4385M #1754 = 4390M #1756 = 4395M #1758 = 4400M #1760 = 4405M #1762 = 4410M #1764 = 4415M #1766 = 4420M #1768 = 4425M #1770 = 4430M #1772 = 4435M #1774 = 4440M #1776 = 4445M #1778 = 4450M #1780 = 4455M #1782 = 4460M #1784 = 4465M #1786 = 4470M #1788 = 4475M #1790 = 4480M #1792

**E** **LINTEL TABLES (L8-12M)**

| 300mm Lintel Depth |  |                                 |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |
|--------------------|--|---------------------------------|-------------------|---------|---------------------|-------------------|---------|---------------------|-------------------|---------|---------------------|-------------------|---------|---------------------|-------------------|---------|---------------------|-------------------|---------|---------------------|-------------------|---------|---------------------|-------------------|---------|---------------------|-------------------|
| Opening Width      |  | Uniformly Distributed Load KN/m |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |
|                    |  | 7.0 KN/m                        |                   |         | 10.5 KN/m           |                   |         | 14.0 KN/m           |                   |         | 17.5 KN/m           |                   |         | 21.0 KN/m           |                   |         | 24.5 KN/m           |                   |         | 28.0 KN/m           |                   |         | 31.5 KN/m           |                   |         | 35.0 KN/m           |                   |
|                    |  | Bottom Reinf. Steel             | Stirrup End Dist. | Stirrup | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup | Bottom Reinf. Steel | Stirrup End Dist. | Stirrup | Bottom Reinf. Steel | Stirrup End Dist. |
| 900mm              |  | 1-10M                           | 0                 | 0       | 1-10M               | 0                 | 0       | 1-10M               | 0                 | 0       | 1-10M               | 0                 | 0       | 1-10M               | 0                 | 0       | 1-10M               | 0                 | 0       | 1-10M               | 0                 | 0       | 1-10M               | 0                 | 0       | 1-10M               | 0                 |
| 1200mm             |  | 1-10M                           | 0                 | 0       | 1-10M               | 0                 | 0       | 1-10M               | 0                 | 0       | 1-10M               | 0                 | 0       | 1-10M               | 0                 | 0       | 1-15M               | 0                 | 0       | 1-15M               | 0                 | 0       | 1-15M               | 350               | 350     | 1-15M               | 350               |
| 1500mm             |  | 1-10M                           | 0                 | 0       | 1-10M               | 0                 | 0       | 1-15M               | 0                 | 0       | 1-15M               | 350               | 350     | 1-15M               | 400               | 400     | 1-15M               | 450               | 450     | 1-15M               | 500               | 500     | 1-15M               | 500               | 500     | 1-15M               | 500               |
| 1800mm             |  | 1-10M                           | 0                 | 0       | 1-15M               | 0                 | 0       | 1-15M               | 300               | 300     | 1-15M               | 500               | 500     | 1-15M               | 550               | 550     | 1-15M               | 600               | 600     | 1-20M               | 650               | 650     | 1-20M               | 650               | 650     | 1-20M               | 650               |
| 2400mm             |  | 1-15M                           | 0                 | 0       | 1-15M               | 450               | 450     | 1-20M               | 600               | 600     | 1-20M               | 750               | 750     | 2-15M               | 800               | 800     | 2-15M               | 850               | 850     | 1-15M + 1-20M       | 900               | 900     | 1-15M + 1-20M       | 950               | 950     | 1-15M + 1-20M       | 950               |
| 3000mm             |  | 1-15M                           | 400               | 400     | 1-20M               | 750               | 750     | 2-15M               | 900               | 900     | 1-15M + 1-20M       | 1050              | 1050    | 2-20M               | 1100              | 1100    | 1-10M + 2-20M       | 1150              | 1150    | 1-10M + 2-20M       | 1200              | 1200    | 1-10M + 2-20M       | 1250              | 1250    | 1-10M + 2-20M       | 1250              |
| 3600mm             |  | 1-20M                           | 700               | 700     | 2-15M               | 1050              | 1050    | 2-20M               | 1200              | 1200    | 1-10M + 2-20M       | 1350              | 1350    | 1-10M + 3-20M       | 1400              | 1400    |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |
| 4200mm             |  | 2-15M                           | 1000              | 1000    | 2-20M               | 1350              | 1350    | 3-20M               | 1500              | 1500    |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |
| 4800mm             |  | 1-15M + 1-20M                   | 1300              | 1300    | 3-20M               | 1650              | 1650    |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |
| 5400mm             |  | 1-10M + 2-20M                   | 1600              | 1600    |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |
| 6000mm             |  | 1-10M + 3-20M                   | 1900              | 1900    |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |         |                     |                   |

NOTES:

1. Stirrup Spacing = 152 mm

2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5

All Stirrup End Distance measurements above are listed in mm

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NOTES:  
 1. Stirrup Spacing = 152 mm  
 2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

**All Stirrup End Distance measurements above are listed in mm**

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5



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**TACOMA ENGINEERS**  
 Table Prepared by:  
**L 8-12M**

200mm Thick  
300mm Deep  
Lintels

Table No.  
**L 8-12M**



**E LINTEL TABLES (L8-12I)**

| Opening Width | 12" Lintel Depth   |                   |                    |                   |                    |                   |                    |                   |                    |                   |                    |                   |                    |                   | Uniformly Distributed Load lbs/ft |                   |                    |                   |  |  |  |  |  |  |  |  |  |  |
|---------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|-----------------------------------|-------------------|--------------------|-------------------|--|--|--|--|--|--|--|--|--|--|
|               | 480 lbs/ft         |                   | 715 lbs/ft         |                   | 955 lbs/ft         |                   | 1195 lbs/ft        |                   | 1435 lbs/ft        |                   | 1675 lbs/ft        |                   | 1915 lbs/ft        |                   | 2155 lbs/ft                       |                   | 2395 lbs/ft        |                   |  |  |  |  |  |  |  |  |  |  |
|               | Bottom Rein. Steel | Stirrup End Dist. | Bottom Rein. Steel | Stirrup End Dist. | Bottom Rein. Steel | Stirrup End Dist. | Bottom Rein. Steel | Stirrup End Dist. | Bottom Rein. Steel | Stirrup End Dist. | Bottom Rein. Steel | Stirrup End Dist. | Bottom Rein. Steel | Stirrup End Dist. | Bottom Rein. Steel                | Stirrup End Dist. | Bottom Rein. Steel | Stirrup End Dist. |  |  |  |  |  |  |  |  |  |  |
| 3'-0"         | 1-#4               | 0"                | 1-#4               | 0"                | 1-#4               | 0"                | 1-#4               | 0"                | 1-#4               | 0"                | 1-#4               | 0"                | 1-#4               | 0"                | 1-#4                              | 0"                | 1-#4               | 0"                |  |  |  |  |  |  |  |  |  |  |
| 4'-0"         | 1-#4               | 0"                | 1-#4               | 0"                | 1-#4               | 0"                | 1-#4               | 0"                | 1-#4               | 0"                | 1-#5               | 12"               | 1-#5               | 14"               | 1-#5                              | 14"               | 1-#5               | 14"               |  |  |  |  |  |  |  |  |  |  |
| 5'-0"         | 1-#4               | 0"                | 1-#4               | 0"                | 1-#5               | 0"                | 1-#5               | 12"               | 1-#5               | 14"               | 1-#5               | 16"               | 1-#5               | 18"               | 1-#5                              | 20"               | 1-#5               | 20"               |  |  |  |  |  |  |  |  |  |  |
| 6'-0"         | 1-#4               | 0"                | 1-#5               | 0"                | 1-#5               | 12"               | 1-#5               | 18"               | 1-#5               | 20"               | 1-#5               | 22"               | 1-#6               | 24"               | 1-#6                              | 26"               | 1-#6               | 26"               |  |  |  |  |  |  |  |  |  |  |
| 8'-0"         | 1-#5               | 0"                | 1-#5               | 18"               | 1-#6               | 24"               | 1-#6               | 30"               | 2-#5               | 32"               | 2-#5               | 34"               | 1-#5 + 1-#6        | 36"               | 1-#5 + 1-#6                       | 38"               | 2-#6               | 38"               |  |  |  |  |  |  |  |  |  |  |
| 10'-0"        | 1-#5               | 16"               | 1-#6               | 30"               | 2-#15              | 36"               | 1-#5 + 1-#6        | 42"               | 2-#6               | 44"               | 1-#4 + 2-#6        | 46"               | 1-#5 + 2-#6        | 48"               | 1-#4 + 3-#6                       | 50"               |                    |                   |  |  |  |  |  |  |  |  |  |  |
| 12'-0"        | 1-#6               | 28"               | 2-#5               | 42"               | 2-#6               | 48"               | 1-#4 + 2-#6        | 54"               | 1-#4 + 3-#6        | 56"               |                    |                   |                    |                   |                                   |                   |                    |                   |  |  |  |  |  |  |  |  |  |  |
| 14'-0"        | 2-#5               | 40"               | 2-#6               | 54"               | 3-#6               | 60"               |                    |                   |                    |                   |                    |                   |                    |                   |                                   |                   |                    |                   |  |  |  |  |  |  |  |  |  |  |
| 16'-0"        | 1-#5 + 1-#6        | 52"               | 3-#6               | 66"               |                    |                   |                    |                   |                    |                   |                    |                   |                    |                   |                                   |                   |                    |                   |  |  |  |  |  |  |  |  |  |  |
| 18'-0"        | 1-#4 + 2-#6        | 64"               |                    |                   |                    |                   |                    |                   |                    |                   |                    |                   |                    |                   |                                   |                   |                    |                   |  |  |  |  |  |  |  |  |  |  |
| 20'-0"        | 1-#4 + 3-#6        | 76"               |                    |                   |                    |                   |                    |                   |                    |                   |                    |                   |                    |                   |                                   |                   |                    |                   |  |  |  |  |  |  |  |  |  |  |

NOTES:

1. Stirrup Spacing = 6"

2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For imperial dimension based projects within Canada using metric bar sizes - the following substitutions are applicable

1-#4 + 1-#5 may be substituted for 1-#6

2-#4 may be substituted for 1-#5

8" Thick

12" Deep

Lintels

Table No.

L 8-12I

TACOMA

ENGINEERS

PROFESSIONAL ENGINEER

TACOMA

2019505

Building Value.

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**NOTES:**

1. Stirrup Spacing = 6"
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For imperial dimension based projects within Canada using #4 = 10M metric bar sizes - the following substitutions are applicable #5 = 15M #6 = 20M  
 1-#4 + 1-#5 may be substituted for 1-#6  
 2-#4 may be substituted for 1-#5



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Table Prepared by:

8" Thick  
12" Deep  
Lintels  
Table No.  
**L 8-12I**

**E** **LINTEL TABLES (L8-15M)**

| <b>375mm Lintel Depth</b> |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|---------------------------|---------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
| Opening Width             | Uniformly Distributed Load KN/m |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|                           | 7.0 KN/m                        |                   | 10.5 KN/m           |                   | 14.0 KN/m           |                   | 17.5 KN/m           |                   | 21.0 KN/m           |                   | 24.5 KN/m           |                   | 28.0 KN/m           |                   | 31.5 KN/m           |                   |
|                           | 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. |
| 900mm                     | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 |
| 1200mm                    | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-15M               | 0                 |
| 1500mm                    | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 350               | 1-15M               | 450               |
| 1800mm                    | 1-10M                           | 0                 | 1-10M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 400               | 1-15M               | 450               | 1-15M               | 500               | 1-20M               | 600               |
| 2400mm                    | 1-15M                           | 0                 | 1-15M               | 0                 | 1-15M               | 450               | 1-15M               | 600               | 1-20M               | 700               | 1-20M               | 750               | 2-15M               | 800               | 2-15M               | 900               |
| 3000mm                    | 1-15M                           | 0                 | 1-15M               | 500               | 1-20M               | 750               | 2-15M               | 900               | 2-15M               | 1000              | 1-15M + 1-20M       | 1050              | 2-20M               | 1100              | 1-10M + 2-20M       | 1200              |
| 3600mm                    | 1-15M                           | 400               | 1-20M               | 800               | 2-15M               | 1050              | 1-15M + 1-20M       | 1200              | 2-20M               | 1300              | 1-10M + 2-20M       | 1350              | 2-20M + 1-15M       | 1400              | 1-10M + 3-20M       | 1500              |
| 4200mm                    | 1-20M                           | 700               | 2-15M               | 1100              | 2-20M               | 1350              | 1-10M + 2-20M       | 1500              | 3-20M               | 1600              | 1-15M + 3-20M       | 1650              |                     |                   |                     |                   |
| 4800mm                    | 2-15M                           | 1000              | 2-20M               | 1400              | 2-20M + 1-15M       | 1650              | 1-10M + 3-20M       | 1800              |                     |                   |                     |                   |                     |                   |                     |                   |
| 5400mm                    | 1-15M + 1-20M                   | 1300              | 1-15M + 2-20M       | 1700              | 1-15M + 3-20M       | 1950              |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
| 6000mm                    | 1-10M + 2-20M                   | 1600              | 1-10M + 3-20M       | 2000              |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |

**NOTES:**

1. Stirrup Spacing = 203 mm

2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

**All Stirrup End Distance measurements above are listed in mm**

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5



**Building Value.**

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**TACOMA ENGINEERS**

Table Prepared by:



**200mm Thick  
375mm Deep  
Lintels**

**Table No.  
L 8-15M**



**E LINTEL TABLES (L8-15I)**

| Opening Width | Uniformly Distributed Load lbs/ft |     |             |     |             |     |             |     |             |     |             |     |             |     |             |     |                     |     |                   |     |             |     |             |     | 2395 lbs/ft |     |             |     |             |     |
|---------------|-----------------------------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|-----|---------------------|-----|-------------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|-----|
|               | 15" Lintel Depth                  |     |             |     |             |     |             |     |             |     |             |     |             |     |             |     |                     |     |                   |     |             |     |             |     |             |     |             |     |             |     |
|               | 480 lbs/ft                        |     | 715 lbs/ft  |     | 955 lbs/ft  |     | 1195 lbs/ft |     | 1435 lbs/ft |     | 1675 lbs/ft |     | 1915 lbs/ft |     | 2155 lbs/ft |     | Bottom Reinf. Steel |     | Stirrup End Dist. |     |             |     |             |     |             |     |             |     |             |     |
| 3'-0"         | 1-#4                              | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4                | 0"  | 1-#4              | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  |
| 4'-0"         | 1-#4                              | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4                | 0"  | 1-#4              | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  |
| 5'-0"         | 1-#4                              | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4                | 0"  | 1-#4              | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  |
| 6'-0"         | 1-#4                              | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4                | 0"  | 1-#4              | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  | 1-#4        | 0"  |
| 8'-0"         | 1-#5                              | 0"  | 1-#5        | 0"  | 1-#5        | 0"  | 1-#5        | 0"  | 1-#5        | 0"  | 1-#5        | 0"  | 1-#5        | 0"  | 1-#5        | 0"  | 1-#5                | 0"  | 1-#5              | 0"  | 1-#5        | 0"  | 1-#5        | 0"  | 1-#5        | 0"  | 1-#5        | 0"  | 1-#5        | 0"  |
| 10'-0"        | 1-#5                              | 0"  | 1-#5        | 0"  | 1-#5        | 0"  | 1-#5        | 0"  | 1-#5        | 0"  | 1-#5        | 0"  | 1-#5        | 0"  | 1-#5        | 0"  | 1-#5                | 0"  | 1-#5              | 0"  | 1-#5        | 0"  | 1-#5        | 0"  | 1-#5        | 0"  | 1-#5        | 0"  | 1-#5        | 0"  |
| 12'-0"        | 1-#5                              | 16" | 1-#6        | 32" | 2-#5        | 42" | 1-#5 + 1-#6 | 48" | 1-#5 + 1-#6 | 60" | 1-#5 + 1-#6 | 60" | 1-#5 + 1-#6 | 60" | 1-#5 + 1-#6 | 60" | 1-#5 + 1-#6         | 60" | 1-#5 + 1-#6       | 60" | 1-#5 + 1-#6 | 60" | 1-#5 + 1-#6 | 60" | 1-#5 + 1-#6 | 60" | 1-#5 + 1-#6 | 60" | 1-#5 + 1-#6 | 60" |
| 14'-0"        | 1-#6                              | 28" | 2-#5        | 44" | 2-#6        | 54" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6         | 66" | 1-#5 + 2-#6       | 66" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6 | 66" |
| 16'-0"        | 2-#5                              | 40" | 2-#6        | 56" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6         | 66" | 1-#5 + 2-#6       | 66" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6 | 66" | 1-#5 + 2-#6 | 66" |
| 18'-0"        | 1-#5 + 1-#6                       | 52" | 1-#5 + 2-#6 | 68" | 1-#5 + 2-#6 | 78" | 1-#5 + 2-#6 | 78" | 1-#5 + 2-#6 | 78" | 1-#5 + 2-#6 | 78" | 1-#5 + 2-#6 | 78" | 1-#5 + 2-#6 | 78" | 1-#5 + 2-#6         | 78" | 1-#5 + 2-#6       | 78" | 1-#5 + 2-#6 | 78" | 1-#5 + 2-#6 | 78" | 1-#5 + 2-#6 | 78" | 1-#5 + 2-#6 | 78" | 1-#5 + 2-#6 | 78" |
| 20'-0"        | 1-#4 + 2-#6                       | 64" | 1-#4 + 3-#6 | 80" | 1-#4 + 3-#6 | 80" | 1-#4 + 3-#6 | 80" | 1-#4 + 3-#6 | 80" | 1-#4 + 3-#6 | 80" | 1-#4 + 3-#6 | 80" | 1-#4 + 3-#6 | 80" | 1-#4 + 3-#6         | 80" | 1-#4 + 3-#6       | 80" | 1-#4 + 3-#6 | 80" | 1-#4 + 3-#6 | 80" | 1-#4 + 3-#6 | 80" | 1-#4 + 3-#6 | 80" | 1-#4 + 3-#6 | 80" |

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= 982M #328 = 988M #330 = 994M #332 = 1000M #334 = 1006M #336 = 1012M #338 = 1018M #340 = 1024M #342 = 1030M #344 = 1036M #346 = 1042M #348 = 1048M #350 = 1054M #352 = 1060M #354 = 1066M #356 = 1072M #358 = 1078M #360 = 1084M #362 = 1090M #364 = 1096M #366 = 1102M #368 = 1108M #370 = 1114M #372 = 1120M #374 = 1126M #376 = 1132M #378 = 1138M #380 = 1144M #382 = 1150M #384 = 1156M #386 = 1162M #388 = 1168M #390 = 1174M #392 = 1180M #394 = 1186M #396 = 1192M #398 = 1198M #400 = 1204M #402 = 1210M #404 = 1216M #406 = 1222M #408 = 1228M #410 = 1234M #412 = 1240M #414 = 1246M #416 = 1252M #418 = 1258M #420 = 1264M #422 = 1270M #424 = 1276M #426 = 1282M #428 = 1288M #430 = 1294M #432 = 1300M #434 = 1306M #436 = 1312M #438 = 1318M #440 = 1324M #442 = 1330M #444 = 1336M #446 = 1342M #448 = 1348M #450 = 1354M #452 = 1360M #454 = 1366M #456 = 1372M #458 = 1378M #460 = 1384M #462 = 1390M #464 = 1396M #466 = 1402M #468 = 1408M #470 = 1414M #472 = 1420M #474 = 1426M #476 = 1432M #478 = 1438M #480 = 1444M #482 = 1450M #484 = 1456M #486 = 1462M #488 = 1468M #490 = 1474M #492 = 1480M #494 = 1486M #496 = 1492M #498 = 1498M #500 = 1504M #502 = 1510M #504 = 1516M #506 = 1522M #508 = 1528M #510 = 1534M #512 = 1540M #514 = 1546M #516 = 1552M #518 = 1558M #520 = 1564M #522 = 1570M #524 = 1576M #526 = 1582M #528 = 1588M #530 = 1594M #532 = 1600M #534 = 1606M #536 = 1612M #538 = 1618M #540 = 1624M #542 = 1630M #544 = 1636M #546 = 1642M #548 = 1648M #550 = 1654M #552 = 1660M #554 = 1666M #556 = 1672M #558 = 1678M #560 = 1684M #562 = 1690M #564 = 1696M #566 = 1702M #568 = 1708M #570 = 1714M #572 = 1720M #574 = 1726M #576 = 1732M #578 = 1738M #580 = 1744M #582 = 1750M #584 = 1756M #586 = 1762M #588 = 1768M #590 = 1774M #592 = 1780M #594 = 1786M #596 = 1792M #598 = 1798M #600 = 1804M #602 = 1810M #604 = 1816M #606 = 1822M #608 = 1828M #610 = 1834M #612 = 1840M #614 = 1846M #616 = 1852M #618 = 1858M #620 = 1864M #622 = 1870M #624 = 1876M #626 = 1882M #628 = 1888M #630 = 1894M #632 = 1900M #634 = 1906M #636 = 1912M #638 = 1918M #640 = 1924M #642 = 1930M #644 = 1936M #646 = 1942M #648 = 1948M #650 = 1954M #652 = 1960M #654 = 1966M #656 = 1972M #658 = 1978M #660 = 1984M #662 = 1990M #664 = 1996M #666 = 2002M #668 = 2008M #670 = 2014M #672 = 2020M #674 = 2026M #676 = 2032M #678 = 2038M #680 = 2044M #682 = 2050M #684 = 2056M #686 = 2062M #688 = 2068M #690 = 2074M #692 = 2080M #694 = 2086M #696 = 2092M #698 = 2098M #700 = 2104M #702 = 2110M #704 = 2116M #706 = 2122M #708 = 2128M #710 = 2134M #712 = 2140M #714 = 2146M #716 = 2152M #718 = 2158M #720 = 2164M #722 = 2170M #724 = 2176M #726 = 2182M #728 = 2188M #730 = 2194M #732 = 2200M #734 = 2206M #736 = 2212M #738 = 2218M #740 = 2224M #742 = 2230M #744 = 2236M #746 = 2242M #748 = 2248M #750 = 2254M #752 = 2260M #754 = 2266M #756 = 2272M #758 = 2278M #760 = 2284M #762 = 2290M #764 = 2296M #766 = 2302M #768 = 2308M #770 = 2314M #772 = 2320M #774 = 2326M #776 = 2332M #778 = 2338M #780 = 2344M #782 = 2350M #784 = 2356M #786 = 2362M #788 = 2368M #790 = 2374M #792 = 2380M #794 = 2386M #796 = 2392M #798 = 2398M #800 = 2404M #802 = 2410M #804 = 2416M #806 = 2422M #808 = 2428M #810 = 2434M #812 = 2440M #814 = 2446M #816 = 2452M #818 = 2458M #820 = 2464M #822 = 2470M #824 = 2476M #826 = 2482M #828 = 2488M #830 = 2494M #832 = 2500M #834 = 2506M #836 = 2512M #838 = 2518M #840 = 2524M #842 = 2530M #844 = 2536M #846 = 2542M #848 = 2548M #850 = 2554M #852 = 2560M #854 = 2566M #856 = 2572M #858 = 2578M #860 = 2584M #862 = 2590M #864 = 2596M #866 = 2602M #868 = 2608M #870 = 2614M #872 = 2620M #874 = 2626M #876 = 2632M #878 = 2638M #880 = 2644M #882 = 2650M #884 = 2656M #886 = 2662M #888 = 2668M #890 = 2674M #892 = 2680M #894 = 2686M #896 = 2692M #898 = 2698M #900 = 2704M #902 = 2710M #904 = 2716M #906 = 2722M #908 = 2728M #910 = 2734M #912 = 2740M #914 = 2746M #916 = 2752M #918 = 2758M #920 = 2764M #922 = 2770M #924 = 2776M #926 = 2782M #928 = 2788M #930 = 2794M #932 = 2800M #934 = 2806M #936 = 2812M #938 = 2818M #940 = 2824M #942 = 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#160 = 480M #162 = 486M #164 = 492M #166 = 498M #168 = 504M #170 = 510M #172 = 516M #174 = 522M #176 = 528M #178 = 534M #180 = 540M #182 = 546M #184 = 552M #186 = 558M #188 = 564M #190 = 570M #192 = 576M #194 = 582M #196 = 588M #198 = 594M #200 = 600M #202 = 606M #204 = 612M #206 = 618M #208 = 624M #210 = 630M #212 = 636M #214 = 642M #216 = 648M #218 = 654M #220 = 660M #222 = 666M #224 = 672M #226 = 678M #228 = 684M #230 = 690M #232 = 696M #234 = 702M #236 = 708M #238 = 714M #240 = 720M #242 = 726M #244 = 732M #246 = 738M #248 = 744M #250 = 750M #252 = 756M #254 = 762M #256 = 768M #258 = 774M #260 = 780M #262 = 786M #264 = 792M #266 = 798M #268 = 804M #270 = 810M #272 = 816M #274 = 822M #276 = 828M #278 = 834M #280 = 840M #282 = 846M #284 = 852M #286 = 858M #288 = 864M #290 = 870M #292 = 876M #294 = 882M #296 = 888M #298 = 894M #300 = 900M #302 = 906M #304 = 912M #306 = 918M #308 = 924M #310 = 930M #312 = 936M #314 = 942M #316 = 948M #318 = 954M #320 = 960M #322 = 966M #324 = 972M #326 = 978M #328 = 984M #330 = 990M #332 = 996M #334 = 1002M #336 = 1008M #338 = 1014M #340 = 1020M #342 = 1026M #344 = 1032M #346 = 1038M #348 = 1044M #350 = 1050M #352 = 1056M #354 = 1062M #356 = 1068M #358 = 1074M #360 = 1080M #362 = 1086M #364 = 1092M #366 = 1098M #368 = 1104M #370 = 1110M #372 = 1116M #374 = 1122M #376 = 1128M #378 = 1134M #380 = 1140M #382 = 1146M #384 = 1152M #386 = 1158M #388 = 1164M #390 = 1170M #392 = 1176M #394 = 1182M #396 = 1188M #398 = 1194M #400 = 1200M #402 = 1206M #404 = 1212M #406 = 1218M #408 = 1224M #410 = 1230M #412 = 1236M #414 = 1242M #416 = 1248M #418 = 1254M #420 = 1260M #422 = 1266M #424 = 1272M #426 = 1278M #428 = 1284M #430 = 1290M #432 = 1296M #434 = 1302M #436 = 1308M #438 = 1314M #440 = 1320M #442 = 1326M #444 = 1332M #446 = 1338M #448 = 1344M #450 = 1350M #452 = 1356M #454 = 1362M #456 = 1368M #458 = 1374M #460 = 1380M #462 = 1386M #464 = 1392M #466 = 1398M #468 = 1404M #470 = 1410M #472 = 1416M #474 = 1422M #476 = 1428M #478 = 1434M #480 = 1440M #482 = 1446M #484 = 1452M #486 = 1458M #488 = 1464M #490 = 1470M #492 = 1476M #494 = 1482M #496 = 1488M #498 = 1494M #500 = 1500M #502 = 1506M #504 = 1512M #506 = 1518M #508 = 1524M #510 = 1530M #512 = 1536M #514 = 1542M #516 = 1548M #518 = 1554M #520 = 1560M #522 = 1566M #524 = 1572M #526 = 1578M #528 = 1584M #530 = 1590M #532 = 1596M #534 = 1602M #536 = 1608M #538 = 1614M #540 = 1620M #542 = 1626M #544 = 1632M #546 = 1638M #548 = 1644M #550 = 1650M #552 = 1656M #554 = 1662M #556 = 1668M #558 = 1674M #560 = 1680M #562 = 1686M #564 = 1692M #566 = 1698M #568 = 1704M #570 = 1710M #572 = 1716M #574 = 1722M #576 = 1728M #578 = 1734M #580 = 1740M #582 = 1746M #584 = 1752M #586 = 1758M #588 = 1764M #590 = 1770M #592 = 1776M #594 = 1782M #596 = 1788M #598 = 1794M #600 = 1800M #602 = 1806M #604 = 1812M #606 = 1818M #608 = 1824M #610 = 1830M #612 = 1836M #614 = 1842M #616 = 1848M #618 = 1854M #620 = 1860M #622 = 1866M #624 = 1872M #626 = 1878M #628 = 1884M #630 = 1890M #632 = 1896M #634 = 1902M #636 = 1908M #638 = 1914M #640 = 1920M #642 = 1926M #644 = 1932M #646 = 1938M #648 = 1944M #650 = 1950M #652 = 1956M #654 = 1962M #656 = 1968M #658 = 1974M #660 = 1980M #662 = 1986M #664 = 1992M #666 = 1998M #668 = 2004M #670 = 2010M #672 = 2016M #674 = 2022M #676 = 2028M #678 = 2034M #680 = 2040M #682 = 2046M #684 = 2052M #686 = 2058M #688 = 2064M #690 = 2070M #692 = 2076M #694 = 2082M #696 = 2088M #698 = 2094M #700 = 2100M #702 = 2106M #704 = 2112M #706 = 2118M #708 = 2124M #710 = 2130M #712 = 2136M #714 = 2142M #716 = 2148M #718 = 2154M #720 = 2160M #722 = 2166M #724 = 2172M #726 = 2178M #728 = 2184M #730 = 2190M #732 = 2196M #734 = 2202M #736 = 2208M #738 = 2214M #740 = 2220M #742 = 2226M #744 = 2232M #746 = 2238M #748 = 2244M #750 = 2250M #752 = 2256M #754 = 2262M #756 = 2268M #758 = 2274M #760 = 2280M #762 = 2286M #764 = 2292M #766 = 2298M #768 = 2304M #770 = 2310M #772 = 2316M #774 = 2322M #776 = 2328M #778 = 2334M #780 = 2340M #782 = 2346M #784 = 2352M #786 = 2358M #788 = 2364M #790 = 2370M #792 = 2376M #794 = 2382M #796 = 2388M #798 = 2394M #800 = 2400M #802 = 2406M #804 = 2412M #806 = 2418M #808 = 2424M #810 = 2430M #812 = 2436M #814 = 2442M #816 = 2448M #818 = 2454M #820 = 2460M #822 = 2466M #824 = 2472M #826 = 2478M #828 = 2484M #830 = 2490M #832 = 2496M #834 = 2502M #836 = 2508M #838 = 2514M #840 = 2520M #842 = 2526M #844 = 2532M #846 = 2538M #848 = 2544M #850 = 2550M #852 = 2556M #854 = 2562M #856 = 2568M #858 = 2574M #860 = 2580M #862 = 2586M #864 = 2592M #866 = 2598M #868 = 2604M #870 = 2610M #872 = 2616M #874 = 2622M #876 = 2628M #878 = 2634M #880 = 2640M #882 = 2646M #884 = 2652M #886 = 2658M #888 = 2664M #890 = 2670M #892 = 2676M #894 = 2682M #896 = 2688M #898 = 2694M #900 = 2700M #902 = 2706M #904 = 2712M #906 = 2718M #908 = 2724M #910 = 2730M #912 = 2736M #914 = 2742M #916 = 2748M #918 = 2754M #920 = 2760M #922 = 2766M #924 = 2772M #926 = 2778M #928 = 2784M #930 = 2790M #932 = 2796M #934 = 2802M #936 = 2808M #938 = 2814M #940 = 2820M #942 = 2826M #944 = 2832M #946 = 2838M #948 = 2844M #950 = 2850M #952 = 2856M #954 = 2862M #956 = 2868M #958 = 2874M #960 = 2880M #962 = 2886M #964 = 2892M #966 = 2898M #968 = 2904M #970 = 2910M #972 = 2916M #974 = 2922M #976 = 2928M #978 = 2934M #980 = 2940M #982 = 2946M #984 = 2952M #986 = 2958M #988 = 2964M #990 = 2970M #992 = 2976M #994 = 2982M #996 = 2988M #998 = 2994M #1000 = 3000M



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Table Prepared by:

Table No.  
**L 8-15I**

8" Thick  
15" Deep  
Lintels



## E LINTEL TABLES (L8-18M)

| Opening Width | 450mm Lintel Depth              |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |           |  |
|---------------|---------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|-----------|--|
|               | Uniformly Distributed Load KN/m |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |           |  |
|               | 7.0 KN/m                        |                   |                     | 10.5 KN/m         |                     |                   | 14.0 KN/m           |                   |                     | 17.5 KN/m         |                     |                   | 21.0 KN/m           |                   |                     | 24.5 KN/m         |                     |                   | 28.0 KN/m           |                   |                     | 31.5 KN/m         |                     |                   | 35.0 KN/m |  |
|               | 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. | Bottom Reinf. Steel | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. | Bottom Reinf. Steel | Stirrup End Dist. |           |  |
| 900mm         | 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                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 |           |  |
| 1200mm        | 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                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 |           |  |
| 1500mm        | 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                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 |           |  |
| 1800mm        | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-15M               | 0                 | 1-10M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 |           |  |
| 2400mm        | 1-10M                           | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 450               | 1-15M               | 550               | 1-15M               | 650               | 1-20M               | 700               | 1-20M               | 750               | 1-20M               | 750               | 1-20M               | 750               | 1-15M               | 450               | 1-15M               | 500               |           |  |
| 3000mm        | 1-15M                           | 0                 | 1-15M               | 0                 | 1-15M               | 550               | 1-15M               | 750               | 1-20M               | 850               | 1-20M               | 950               | 1-20M               | 1000              | 1-15M               | 1050              | 1-15M               | 1050              | 1-15M               | 1050              | 1-15M               | 1050              | 1-15M               | 628               |           |  |
| 3600mm        | 1-15M                           | 0                 | 1-20M               | 600               | 1-15M               | 850               | 1-20M               | 1050              | 1-15M               | 1150              | 1-15M               | 1250              | 1-20M               | 1300              | 1-15M               | 1350              | 1-20M               | 1350              | 1-20M               | 1350              | 1-15M               | 1350              | 1-15M               | 928               |           |  |
| 4200mm        | 1-20M                           | 450               | 2-15M               | 900               | 1-15M               | 1150              | 1-20M               | 1350              | 1-10M               | 1450              | 1-15M               | 1550              | 1-10M               | 1600              | 1-15M               | 1650              | 1-10M               | 1650              | 1-10M               | 1650              | 1-10M               | 1650              | 1-20M               | 1228              |           |  |
| 4800mm        | 1-20M                           | 750               | 1-15M               | 1200              | 2-20M               | 1450              | 2-20M               | 1650              | 1-10M               | 1750              | 1-15M               | 1850              | 1-10M               |                   | 1-15M               | 1850              | 1-10M               |                   |                     |                   |                     |                   |                     |                   |           |  |
| 5400mm        | 2-15M                           | 1050              | 2-20M               | 1500              | 1-15M               | 1750              | 2-20M               | 1950              | 1-10M               |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |           |  |
| 6000mm        | 1-15M                           | 1350              | 1-10M               | 1800              | 1-10M               | 2050              | 1-10M               |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |           |  |

## NOTES:

1. Stirrup Spacing = 254 mm

2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

**All Stirrup End Distance measurements  
above are listed in mm**

For metric dimension based projects 10M = #4  
within the USA using imperial bar sizes - 15M = #5  
the following substitutions are applicable: 20M = #6  
1-#4 + 1-#5 may be substituted for 1-#6  
2-#4 may be substituted for 1-#5



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Table Prepared by:



TACOMA  
ENGINEERS

200mm Thick  
450mm Deep  
Lintels

Table No.

L 8-18M

**E LINTEL TABLES (L8-18I)**

| Opening Width | 18" Lintel Depth                  |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|---------------|-----------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
|               | Uniformly Distributed Load lbs/ft |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|               | 480 lbs/ft                        | 715 lbs/ft        | 955 lbs/ft          | 1195 lbs/ft       | 1435 lbs/ft         | 1675 lbs/ft       | 1915 lbs/ft         | 2155 lbs/ft       | 2395 lbs/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. |
| 3'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 4'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 5'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                |
| 6'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 18"               | 1-#5                | 20"               |
| 8'-0"         | 1-#4                              | 0"                | 1-#5                | 0"                | 1-#5                | 18"               | 1-#6                | 22"               | 1-#6                | 26"               | 1-#6                | 32"               |
| 10'-0"        | 1-#5                              | 0"                | 1-#5                | 0"                | 1-#6                | 30"               | 1-#6                | 34"               | 1-#5 + 1-#6         | 38"               | 1-#5 + 1-#6         | 44"               |
| 12'-0"        | 1-#5                              | 0"                | 1-#6                | 24"               | 1-#6                | 36"               | 1-#6                | 40"               | 1-#5 + 1-#6         | 44"               | 1-#5 + 1-#6         | 50"               |
| 14'-0"        | 1-#6                              | 18"               | 1-#6                | 36"               | 1-#6                | 42"               | 1-#6                | 46"               | 1-#5 + 1-#6         | 50"               | 1-#5 + 1-#6         | 56"               |
| 16'-0"        | 1-#6                              | 30"               | 1-#5 + 1-#6         | 48"               | 1-#6                | 54"               | 1-#6                | 58"               | 1-#5 + 1-#6         | 62"               | 1-#5 + 1-#6         | 68"               |
| 18'-0"        | 2-#5                              | 42"               | 1-#6                | 60"               | 1-#6                | 66"               | 1-#6                | 70"               | 1-#5 + 1-#6         | 74"               | 1-#5 + 1-#6         |                   |
| 20'-0"        | 1-#5 + 1-#6                       | 54"               | 1-#4 + 1-#6         | 72"               | 1-#6                | 78"               | 1-#6                | 82"               | 1-#5 + 1-#6         |                   | 1-#5 + 1-#6         |                   |

**NOTES:**

1. Stirrup Spacing = 10"
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For Imperial dimension based projects within Canada using #4 = 10M metric bar sizes - the following substitutions are applicable #5 = 15M #6 = 20M #8 = 25M #10 = 32M #12 = 36M #14 = 42M #16 = 49M #18 = 56M #20 = 64M #22 = 72M #24 = 80M #26 = 89M #28 = 99M #30 = 109M #32 = 119M #34 = 129M #36 = 140M #38 = 151M #40 = 162M #42 = 173M #44 = 184M #46 = 195M #48 = 206M #50 = 217M #52 = 228M #54 = 239M #56 = 250M #58 = 261M #60 = 272M #62 = 283M #64 = 294M #66 = 305M #68 = 316M #70 = 327M #72 = 338M #74 = 349M #76 = 360M #78 = 371M #80 = 382M #82 = 393M #84 = 404M #86 = 415M #88 = 426M #90 = 437M #92 = 448M #94 = 459M #96 = 470M #98 = 481M #100 = 492M #102 = 503M #104 = 514M #106 = 525M #108 = 536M #110 = 547M #112 = 558M #114 = 569M #116 = 580M #118 = 591M #120 = 602M #122 = 613M #124 = 624M #126 = 635M #128 = 646M #130 = 657M #132 = 668M #134 = 679M #136 = 690M #138 = 701M #140 = 712M #142 = 723M #144 = 734M #146 = 745M #148 = 756M #150 = 767M #152 = 778M #154 = 789M #156 = 800M #158 = 811M #160 = 822M #162 = 833M #164 = 844M #166 = 855M #168 = 866M #170 = 877M #172 = 888M #174 = 899M #176 = 910M #178 = 921M #180 = 932M #182 = 943M #184 = 954M #186 = 965M #188 = 976M #190 = 987M #192 = 998M #194 = 1009M #196 = 1020M #198 = 1031M #200 = 1042M #202 = 1053M #204 = 1064M #206 = 1075M #208 = 1086M #210 = 1097M #212 = 1108M #214 = 1119M #216 = 1130M #218 = 1141M #220 = 1152M #222 = 1163M #224 = 1174M #226 = 1185M #228 = 1196M #230 = 1207M #232 = 1218M #234 = 1229M #236 = 1240M #238 = 1251M #240 = 1262M #242 = 1273M #244 = 1284M #246 = 1295M #248 = 1306M #250 = 1317M #252 = 1328M #254 = 1339M #256 = 1350M #258 = 1361M #260 = 1372M #262 = 1383M #264 = 1394M #266 = 1405M #268 = 1416M #270 = 1427M #272 = 1438M #274 = 1449M #276 = 1460M #278 = 1471M #280 = 1482M #282 = 1493M #284 = 1504M #286 = 1515M #288 = 1526M #290 = 1537M #292 = 1548M #294 = 1559M #296 = 1570M #298 = 1581M #300 = 1592M #302 = 1603M #304 = 1614M #306 = 1625M #308 = 1636M #310 = 1647M #312 = 1658M #314 = 1669M #316 = 1680M #318 = 1691M #320 = 1702M #322 = 1713M #324 = 1724M #326 = 1735M #328 = 1746M #330 = 1757M #332 = 1768M #334 = 1779M #336 = 1790M #338 = 1801M #340 = 1812M #342 = 1823M #344 = 1834M #346 = 1845M #348 = 1856M #350 = 1867M #352 = 1878M #354 = 1889M #356 = 1900M #358 = 1911M #360 = 1922M #362 = 1933M #364 = 1944M #366 = 1955M #368 = 1966M #370 = 1977M #372 = 1988M #374 = 1999M #376 = 2010M #378 = 2021M #380 = 2032M #382 = 2043M #384 = 2054M #386 = 2065M #388 = 2076M #390 = 2087M #392 = 2098M #394 = 2109M #396 = 2120M #398 = 2131M #400 = 2142M #402 = 2153M #404 = 2164M #406 = 2175M #408 = 2186M #410 = 2197M #412 = 2208M #414 = 2219M #416 = 2230M #418 = 2241M #420 = 2252M #422 = 2263M #424 = 2274M #426 = 2285M #428 = 2296M #430 = 2307M #432 = 2318M #434 = 2329M #436 = 2340M #438 = 2351M #440 = 2362M #442 = 2373M #444 = 2384M #446 = 2395M #448 = 2406M #450 = 2417M #452 = 2428M #454 = 2439M #456 = 2450M #458 = 2461M #460 = 2472M #462 = 2483M #464 = 2494M #466 = 2505M #468 = 2516M #470 = 2527M #472 = 2538M #474 = 2549M #476 = 2560M #478 = 2571M #480 = 2582M #482 = 2593M #484 = 2604M #486 = 2615M #488 = 2626M #490 = 2637M #492 = 2648M #494 = 2659M #496 = 2670M #498 = 2681M #500 = 2692M #502 = 2703M #504 = 2714M #506 = 2725M #508 = 2736M #510 = 2747M #512 = 2758M #514 = 2769M #516 = 2780M #518 = 2791M #520 = 2802M #522 = 2813M #524 = 2824M #526 = 2835M #528 = 2846M #530 = 2857M #532 = 2868M #534 = 2879M #536 = 2890M #538 = 2901M #540 = 2912M #542 = 2923M #544 = 2934M #546 = 2945M #548 = 2956M #550 = 2967M #552 = 2978M #554 = 2989M #556 = 3000M #558 = 3011M #560 = 3022M #562 = 3033M #564 = 3044M #566 = 3055M #568 = 3066M #570 = 3077M #572 = 3088M #574 = 3099M #576 = 3110M #578 = 3121M #580 = 3132M #582 = 3143M #584 = 3154M #586 = 3165M #588 = 3176M #590 = 3187M #592 = 3198M #594 = 3209M #596 = 3220M #598 = 3231M #600 = 3242M #602 = 3253M #604 = 3264M #606 = 3275M #608 = 3286M #610 = 3297M #612 = 3308M #614 = 3319M #616 = 3330M #618 = 3341M #620 = 3352M #622 = 3363M #624 = 3374M #626 = 3385M #628 = 3396M #630 = 3407M #632 = 3418M #634 = 3429M #636 = 3440M #638 = 3451M #640 = 3462M #642 = 3473M #644 = 3484M #646 = 3495M #648 = 3506M #650 = 3517M #652 = 3528M #654 = 3539M #656 = 3550M #658 = 3561M #660 = 3572M #662 = 3583M #664 = 3594M #666 = 3605M #668 = 3616M #670 = 3627M #672 = 3638M #674 = 3649M #676 = 3660M #678 = 3671M #680 = 3682M #682 = 3693M #684 = 3704M #686 = 3715M #688 = 3726M #690 = 3737M #692 = 3748M #694 = 3759M #696 = 3770M #698 = 3781M #700 = 3792M #702 = 3803M #704 = 3814M #706 = 3825M #708 = 3836M #710 = 3847M #712 = 3858M #714 = 3869M #716 = 3880M #718 = 3891M #720 = 3902M #722 = 3913M #724 = 3924M #726 = 3935M #728 = 3946M #730 = 3957M #732 = 3968M #734 = 3979M #736 = 3990M #738 = 4001M #740 = 4012M #742 = 4023M #744 = 4034M #746 = 4045M #748 = 4056M #750 = 4067M #752 = 4078M #754 = 4089M #756 = 4100M #758 = 4111M #760 = 4122M #762 = 4133M #764 = 4144M #766 = 4155M #768 = 4166M #770 = 4177M #772 = 4188M #774 = 4199M #776 = 4210M #778 = 4221M #780 = 4232M #782 = 4243M #784 = 4254M #786 = 4265M #788 = 4276M #790 = 4287M #792 = 4298M #794 = 4309M #796 = 4320M #798 = 4331M #800 = 4342M #802 = 4353M #804 = 4364M #806 = 4375M #808 = 4386M #810 = 4397M #812 = 4408M #814 = 4419M #816 = 4430M #818 = 4441M #820 = 4452M #822 = 4463M #824 = 4474M #826 = 4485M #828 = 4496M #830 = 4507M #832 = 4518M #834 = 4529M #836 = 4540M #838 = 4551M #840 = 4562M #842 = 4573M #844 = 4584M #846 = 4595M #848 = 4606M #850 = 4617M #852 = 4628M #854 = 4639M #856 = 4650M #858 = 4661M #860 = 4672M #862 = 4683M #864 = 4694M #866 = 4705M #868 = 4716M #870 = 4727M #872 = 4738M #874 = 4749M #876 = 4760M #878 = 4771M #880 = 4782M #882 = 4793M #884 = 4804M #886 = 4815M #888 = 4826M #890 = 4837M #892 = 4848M #894 = 4859M #896 = 4870M #898 = 4881M #900 = 4892M #902 = 4903M #904 = 4914M #906 = 4925M #908 = 4936M #910 = 4947M #912 = 4958M #914 = 4969M #916 = 4980M #918 = 4991M #920 = 5002M #922 = 5013M #924 = 5024M #926 = 5035M #928 = 5046M #930 = 5057M #932 = 5068M #934 = 5079M #936 = 5090M #938 = 5101M #940 = 5112M #942 = 5123M #944 = 5134M #946 = 5145M #948 = 5156M #950 = 5167M #952 = 5178M #954 = 5189M #956 = 5200M #958 = 5211M #960 = 5222M #962 = 5233M #964 = 5244M #966 = 5255M #968 = 5266M #970 = 5277M #972 = 5288M #974 = 5299M #976 = 5310M #978 = 5321M #980 = 5332M #982 = 5343M #984 = 5354M #986 = 5365M #988 = 5376M #990 = 5387M #992 = 5398M #994 = 5409M #996 = 5420M #998 = 5431M #1000 = 5442M



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**TACOMA** ENGINEERS



Table Prepared by:

Table No.  
**L 8-18I**

8" Thick  
18" Deep  
Lintels



**E** **LINTEL TABLES (L8-21M)**

| <b>525mm Lintel Depth</b> |                                 |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|---------------------------|---------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
| Opening Width             | Uniformly Distributed Load KN/m |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|                           | 7.0 KN/m                        |                   | 10.5 KN/m           |                   | 14.0 KN/m           |                   | 17.5 KN/m           |                   | 21.0 KN/m           |                   | 24.5 KN/m           |                   | 28.0 KN/m           |                   |
|                           | 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. |
| 900mm                     | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 |
| 1200mm                    | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 |
| 1500mm                    | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-15M               | 0                 |
| 1800mm                    | 1-10M                           | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-10M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 |
| 2400mm                    | 1-10M                           | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-20M               | 0                 | 1-20M               | 550               | 1-20M               | 750               |
| 3000mm                    | 1-15M                           | 0                 | 1-15M               | 0                 | 1-20M               | 0                 | 1-20M               | 600               | 1-20M               | 750               | 1-20M               | 850               | 2-15M               | 1000              |
| 3600mm                    | 1-15M                           | 0                 | 1-20M               | 0                 | 1-20M               | 700               | 2-15M               | 900               | 2-15M               | 1050              | 1-15M + 1-20M       | 1150              | 2-20M               | 1300              |
| 4200mm                    | 1-20M                           | 0                 | 1-20M               | 700               | 2-15M               | 1000              | 1-15M + 1-20M       | 1200              | 2-20M               | 1350              | 2-20M               | 1450              | 1-10M + 2-20M       | 1600              |
| 4800mm                    | 1-20M                           | 0                 | 2-15M               | 1000              | 1-15M + 1-20M       | 1300              | 2-20M               | 1500              | 1-10M + 2-20M       | 1650              | 2-20M + 1-15M       | 1750              | 1-10M + 3-20M       | 1850              |
| 5400mm                    | 2-15M                           | 750               | 1-15M + 1-20M       | 1300              | 2-20M               | 1600              | 1-15M + 2-20M       | 1800              | 3-20M               | 1950              | 1-15M + 3-20M       | 2050              |                     |                   |
| 6000mm                    | 2-15M                           | 1050              | 2-20M               | 1600              | 1-15M + 2-20M       | 1900              | 1-10M + 3-20M       | 2100              |                     |                   |                     |                   |                     |                   |

**NOTES:**

1. Stirrup Spacing = 330 mm
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

**All Stirrup End Distance measurements above are listed in mm**

For metric dimension based projects 10M = #4  
within the USA using imperial bar sizes - 15M = #5  
the following substitutions are applicable: 20M = #6  
1-#4 + 1-#5 may be substituted for 1-#6  
2-#4 may be substituted for 1-#5



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Table Prepared by:

**200mm Thick  
525mm Deep  
Lintels**  
  
**Table No.  
L 8-21M**



**E LINTEL TABLES (L8-21I)**

| Opening Width | 21" Lintel Depth                  |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|---------------|-----------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
|               | Uniformly Distributed Load lbs/ft |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|               | 480 lbs/ft                        |                   | 715 lbs/ft          |                   | 955 lbs/ft          |                   | 1195 lbs/ft         |                   | 1435 lbs/ft         |                   | 1675 lbs/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. |
| 3'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 4'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 5'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 0"                |
| 6'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                |
| 8'-0"         | 1-#4                              | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#6                | 0"                | 1-#6                | 30"               |
| 10'-0"        | 1-#5                              | 0"                | 1-#5                | 0"                | 1-#6                | 0"                | 1-#6                | 24"               | 1-#6                | 30"               | 1-#6                | 28"               |
| 12'-0"        | 1-#5                              | 0"                | 1-#6                | 0"                | 1-#6                | 28"               | 2-#5                | 36"               | 2-#5                | 42"               | 2-#5                | 40"               |
| 14'-0"        | 1-#6                              | 0"                | 1-#6                | 28"               | 2-#5                | 40"               | 1-#5 + 1-#6         | 48"               | 2-#6                | 54"               | 1-#5 + 1-#6         | 50"               |
| 16'-0"        | 1-#6                              | 0"                | 2-#5                | 40"               | 1-#5 + 1-#6         | 52"               | 2-#6                | 60"               | 1-#4 + 2-#6         | 66"               | 1-#5 + 2-#6         | 62"               |
| 18'-0"        | 2-#5                              | 30"               | 1-#5 + 1-#6         | 52"               | 2-#6                | 64"               | 1-#5 + 2-#6         | 72"               | 3-#6                | 78"               | 1-#5 + 3-#6         | 74"               |
| 20'-0"        | 2-#5                              | 42"               | 2-#6                | 64"               | 1-#5 + 2-#6         | 76"               | 1-#4 + 3-#6         | 84"               |                     |                   |                     |                   |

**NOTES:**

1. Stirrup Spacing = 13"
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For imperial dimension based projects within Canada using #4 = 10M metric bar sizes - the following substitutions are applicable #5 = 15M #6 = 20M #8 = 25M #10 = 32M #11 = 36M #14 = 42M #16 = 50M #18 = 56M #20 = 64M #22 = 70M #25 = 80M #28 = 90M #30 = 100M #36 = 120M #42 = 140M #50 = 160M #56 = 180M #64 = 200M #70 = 220M #76 = 240M #80 = 250M #90 = 280M #100 = 320M #110 = 360M #120 = 400M #140 = 480M #160 = 560M #180 = 640M #200 = 720M #220 = 800M #240 = 880M #250 = 900M #280 = 1000M #300 = 1100M #320 = 1200M #360 = 1400M #400 = 1600M #420 = 1700M #480 = 1800M #500 = 1900M #560 = 2000M #600 = 2100M #640 = 2200M #700 = 2400M #720 = 2500M #760 = 2600M #800 = 2700M #840 = 2800M #900 = 3000M #960 = 3200M #1000 = 3300M #1040 = 3400M #1080 = 3500M #1120 = 3600M #1160 = 3700M #1200 = 3800M #1240 = 3900M #1280 = 4000M #1320 = 4100M #1360 = 4200M #1400 = 4300M #1440 = 4400M #1480 = 4500M #1520 = 4600M #1560 = 4700M #1600 = 4800M #1640 = 4900M #1680 = 5000M #1720 = 5100M #1760 = 5200M #1800 = 5300M #1840 = 5400M #1880 = 5500M #1920 = 5600M #1960 = 5700M #2000 = 5800M #2040 = 5900M #2080 = 6000M #2120 = 6100M #2160 = 6200M #2200 = 6300M #2240 = 6400M #2280 = 6500M #2320 = 6600M #2360 = 6700M #2400 = 6800M #2440 = 6900M #2480 = 7000M #2520 = 7100M #2560 = 7200M #2600 = 7300M #2640 = 7400M #2680 = 7500M #2720 = 7600M #2760 = 7700M #2800 = 7800M #2840 = 7900M #2880 = 8000M #2920 = 8100M #2960 = 8200M #3000 = 8300M #3040 = 8400M #3080 = 8500M #3120 = 8600M #3160 = 8700M #3200 = 8800M #3240 = 8900M #3280 = 9000M #3320 = 9100M #3360 = 9200M #3400 = 9300M #3440 = 9400M #3480 = 9500M #3520 = 9600M #3560 = 9700M #3600 = 9800M #3640 = 9900M #3680 = 10000M #3720 = 10100M #3760 = 10200M #3800 = 10300M #3840 = 10400M #3880 = 10500M #3920 = 10600M #3960 = 10700M #4000 = 10800M #4040 = 10900M #4080 = 11000M #4120 = 11100M #4160 = 11200M #4200 = 11300M #4240 = 11400M #4280 = 11500M #4320 = 11600M #4360 = 11700M #4400 = 11800M #4440 = 11900M #4480 = 12000M #4520 = 12100M #4560 = 12200M #4600 = 12300M #4640 = 12400M #4680 = 12500M #4720 = 12600M #4760 = 12700M #4800 = 12800M #4840 = 12900M #4880 = 13000M #4920 = 13100M #4960 = 13200M #5000 = 13300M #5040 = 13400M #5080 = 13500M #5120 = 13600M #5160 = 13700M #5200 = 13800M #5240 = 13900M #5280 = 14000M #5320 = 14100M #5360 = 14200M #5400 = 14300M #5440 = 14400M #5480 = 14500M #5520 = 14600M #5560 = 14700M #5600 = 14800M #5640 = 14900M #5680 = 15000M #5720 = 15100M #5760 = 15200M #5800 = 15300M #5840 = 15400M #5880 = 15500M #5920 = 15600M #5960 = 15700M #6000 = 15800M #6040 = 15900M #6080 = 16000M #6120 = 16100M #6160 = 16200M #6200 = 16300M #6240 = 16400M #6280 = 16500M #6320 = 16600M #6360 = 16700M #6400 = 16800M #6440 = 16900M #6480 = 17000M #6520 = 17100M #6560 = 17200M #6600 = 17300M #6640 = 17400M #6680 = 17500M #6720 = 17600M #6760 = 17700M #6800 = 17800M #6840 = 17900M #6880 = 18000M #6920 = 18100M #6960 = 18200M #7000 = 18300M #7040 = 18400M #7080 = 18500M #7120 = 18600M #7160 = 18700M #7200 = 18800M #7240 = 18900M #7280 = 19000M #7320 = 19100M #7360 = 19200M #7400 = 19300M #7440 = 19400M #7480 = 19500M #7520 = 19600M #7560 = 19700M #7600 = 19800M #7640 = 19900M #7680 = 20000M #7720 = 20100M #7760 = 20200M #7800 = 20300M #7840 = 20400M #7880 = 20500M #7920 = 20600M #7960 = 20700M #8000 = 20800M #8040 = 20900M #8080 = 21000M #8120 = 21100M #8160 = 21200M #8200 = 21300M #8240 = 21400M #8280 = 21500M #8320 = 21600M #8360 = 21700M #8400 = 21800M #8440 = 21900M #8480 = 22000M #8520 = 22100M #8560 = 22200M #8600 = 22300M #8640 = 22400M #8680 = 22500M #8720 = 22600M #8760 = 22700M #8800 = 22800M #8840 = 22900M #8880 = 23000M #8920 = 23100M #8960 = 23200M #9000 = 23300M #9040 = 23400M #9080 = 23500M #9120 = 23600M #9160 = 23700M #9200 = 23800M #9240 = 23900M #9280 = 24000M #9320 = 24100M #9360 = 24200M #9400 = 24300M #9440 = 24400M #9480 = 24500M #9520 = 24600M #9560 = 24700M #9600 = 24800M #9640 = 24900M #9680 = 25000M #9720 = 25100M #9760 = 25200M #9800 = 25300M #9840 = 25400M #9880 = 25500M #9920 = 25600M #9960 = 25700M #10000 = 25800M #10040 = 25900M #10080 = 26000M #10120 = 26100M #10160 = 26200M #10200 = 26300M #10240 = 26400M #10280 = 26500M #10320 = 26600M #10360 = 26700M #10400 = 26800M #10440 = 26900M #10480 = 27000M #10520 = 27100M #10560 = 27200M #10600 = 27300M #10640 = 27400M #10680 = 27500M #10720 = 27600M #10760 = 27700M #10800 = 27800M #10840 = 27900M #10880 = 28000M #10920 = 28100M #10960 = 28200M #11000 = 28300M #11040 = 28400M #11080 = 28500M #11120 = 28600M #11160 = 28700M #11200 = 28800M #11240 = 28900M #11280 = 29000M #11320 = 29100M #11360 = 29200M #11400 = 29300M #11440 = 29400M #11480 = 29500M #11520 = 29600M #11560 = 29700M #11600 = 29800M #11640 = 29900M #11680 = 30000M #11720 = 30100M #11760 = 30200M #11800 = 30300M #11840 = 30400M #11880 = 30500M #11920 = 30600M #11960 = 30700M #12000 = 30800M #12040 = 30900M #12080 = 31000M #12120 = 31100M #12160 = 31200M #12200 = 31300M #12240 = 31400M #12280 = 31500M #12320 = 31600M #12360 = 31700M #12400 = 31800M #12440 = 31900M #12480 = 32000M #12520 = 32100M #12560 = 32200M #12600 = 32300M #12640 = 32400M #12680 = 32500M #12720 = 32600M #12760 = 32700M #12800 = 32800M #12840 = 32900M #12880 = 33000M #12920 = 33100M #12960 = 33200M #13000 = 33300M #13040 = 33400M #13080 = 33500M #13120 = 33600M #13160 = 33700M #13200 = 33800M #13240 = 33900M #13280 = 34000M #13320 = 34100M #13360 = 34200M #13400 = 34300M #13440 = 34400M #13480 = 34500M #13520 = 34600M #13560 = 34700M #13600 = 34800M #13640 = 34900M #13680 = 35000M #13720 = 35100M #13760 = 35200M #13800 = 35300M #13840 = 35400M #13880 = 35500M #13920 = 35600M #13960 = 35700M #14000 = 35800M #14040 = 35900M #14080 = 36000M #14120 = 36100M #14160 = 36200M #14200 = 36300M #14240 = 36400M #14280 = 36500M #14320 = 36600M #14360 = 36700M #14400 = 36800M #14440 = 36900M #14480 = 37000M #14520 = 37100M #14560 = 37200M #14600 = 37300M #14640 = 37400M #14680 = 37500M #14720 = 37600M #14760 = 37700M #14800 = 37800M #14840 = 37900M #14880 = 38000M #14920 = 38100M #14960 = 38200M #15000 = 38300M #15040 = 38400M #15080 = 38500M #15120 = 38600M #15160 = 38700M #15200 = 38800M #15240 = 38900M #15280 = 39000M #15320 = 39100M #15360 = 39200M #15400 = 39300M #15440 = 39400M #15480 = 39500M #15520 = 39600M #15560 = 39700M #15600 = 39800M #15640 = 39900M #15680 = 40000M #15720 = 40100M #15760 = 40200M #15800 = 40300M #15840 = 40400M #15880 = 40500M #15920 = 40600M #15960 = 40700M #16000 = 40800M #16040 = 40900M #16080 = 41000M #16120 = 41100M #16160 = 41200M #16200 = 41300M #16240 = 41400M #16280 = 41500M #16320 = 41600M #16360 = 41700M #16400 = 41800M #16440 = 41900M #16480 = 42000M #16520 = 42100M #16560 = 42200M #16600 = 42300M #16640 = 42400M #16680 = 42500M #16720 = 42600M #16760 = 42700M #16800 = 42800M #16840 = 42900M #16880 = 43000M #16920 = 43100M #16960 = 43200M #17000 = 43300M #17040 = 43400M #17080 = 43500M #17120 = 43600M #17160 = 43700M #17200 = 43800M #17240 = 43900M #17280 = 44000M #17320 = 44100M #17360 = 44200M #17400 = 44300M #17440 = 44400M #17480 = 44500M #17520 = 44600M #17560 = 44700M #17600 = 44800M #17640 = 44900M #17680 = 45000M #17720 = 45100M #17760 = 45200M #17800 = 45300M #17840 = 45400M #17880 = 45500M #17920 = 45600M #17960 = 45700M #18000 = 45800M #18040 = 45900M #18080 = 46000M #18120 = 46100M #18160 = 46200M #18200 = 46300M #18240 = 46400M #18280 = 46500M #18320 = 46600M #18360 = 46700M #18400 = 46800M #18440 = 46900M #18480 = 47000M #18520 = 47100M #18560 = 47200M #18600 = 47300M #18640 = 47400M #18680 = 47500M #18720 = 47600M #18760 = 47700M #18800 = 47800M #18840 = 47900M #18880 = 48000M #18920 = 48100M #18960 = 48200M #19000 = 48300M #19040 = 48400M #19080 = 48500M #19120 = 48600M #19160 = 48700M #19200 = 48800M #19240 = 48900M #19280 = 49000M #19320 = 49100M #19360 = 49200M #19400 = 49300M #19440 = 49400M #19480 = 49500M #19520 = 49600M #19560 = 49700M #19600 = 49800M #19640 = 49900M #19680 = 50000M #19720 = 50100M #19760 = 50200M #19800 = 50300M #19840 = 50400M #19880 = 50500M #19920 = 50600M #19960 = 50700M #20000 = 50800M #20040 = 50900M #20080 = 51000M #20120 = 51100M #20160 = 51200M #20200 = 51300M #20240 = 51400M #20280 = 51500M #20320 = 51600M #20360 = 51700M #20400 = 51800M #20440 = 51900M #20480 = 52000M #20520 = 52100M #20560 = 52200M #20600 = 52300M #20640 = 52400M #20680 = 52500M #20720 = 52600M #20760 = 52700M #20800 = 52800M #20840 = 52900M #20880 = 53000M #20920 = 53100M #20960 = 53200M #21000 = 53300M #21040 = 53400M #21080 = 53500M #21120 = 53600M #21160 = 53700M #21200 = 53800M #21240 = 53900M #21280 = 54000M #21320 = 54100M #21360 = 54200M #21400 = 54300M #21440 = 54400M #21480 = 54500M #21520 = 54600M #21560 = 54700M #21600 = 54800M #21640 = 54900M #21680 = 55000M #21720 = 55100M #21760 = 55200M #21800 = 55300M #21840 = 55400M #21880 = 55500M #21920 = 55600M #21960 = 55700M #22000 = 55800M #22040 = 55900M #22080 = 56000M #22120 = 56100M #22160 = 56200M #22200 = 56300M #22240 = 56400M #22280 = 56500M #22320 = 56600M #22360 = 56700M #22400 = 56800M #22440 = 56900M #22480 = 57000M #22520 = 57100M #22560 = 57200M #22600 = 57300M #22640 = 57400M #22680 = 57500M #22720 = 57600M #22760 = 57700M #22800 = 57800M #22840 = 57900M #22880 = 58000M #22920 = 58100M #22960 = 58200M #23000 = 58300M #23040 = 58400M #23080 = 58500M #23120 = 58600M #23160 = 58700M #23200 = 58800M #23240 = 58900M #23280 = 59000M #23320 = 59100M #23360 = 59200M #23400 = 59300M #23440 = 59400M #23480 = 59500M #23520 = 59600M #23560 = 59700M #23600 = 59800M #23640 = 59900M #23680 = 60000M #23720 = 60100M #23760 = 60200M #23800 = 60300M #23840 = 60400M #23880 = 60500M #23920 = 60600M #23960 = 60700M #24000 = 60800M #24040 = 60900M #24080 = 61000M #24120 = 61100M #24160 = 61200M #24200 = 61300M #24240 = 61400M #24280 = 61500M #24320 = 61600M #24360 = 61700M #24400 = 61800M #24440 = 61900M #24480 = 62000M #24520 = 62100M #24560 = 62200M #24600 = 62300M #24640 = 62400M #24680 = 62500M #24720 = 62600M #24760 = 62700M #24800 = 62800M #24840 = 62900M #24880 = 63000M #24920 = 63100M #24960 = 63200M #25000 = 63300M #25040 = 63400M #25080 = 63500M #25120 = 63600M #25160 = 63700M #25200 = 63800M #25240 = 63900M #25280 = 64000M #25320 = 64100M #25360 = 64200M #25400 = 64300M #25440 = 64400M #25480 = 64500M #25520 = 64600M #25560 = 64700M #25600 = 64800M #25640 = 64900M #25680 = 65000M #25720 = 65100M #25760 = 65200M #25800 = 65300M #25840 = 65400M #25880 = 65500M #25920 = 65600M #25960 = 65700M #26000 = 65800M #26040 = 65900M #26080 = 66000M #26120 = 66100M #26160 = 66200M #26200 = 66300M #26240 = 66400M #26280 = 66500M #26320 = 66600M #26360 = 66700M #26400 = 66800M #26440 = 66900M #26480 = 67000M #26520 = 67100M #26560 = 67200M #26600 = 67300M #26640 = 67400M #26680 = 67500M #26720 = 67600M #26760 = 67700M #26800 = 67800M #26840 = 67900M #26880 = 68000M #26920 = 68100M #26960 = 68200M #27000 = 68300M #27040 = 68400M #27080 = 68500M #27120 = 68600M #27160 = 68700M #27200 = 68800M #27240 = 68900M #27280 = 69000M #27320 = 69100M #27360 = 69200M #27400 = 69300M #27440 = 69400M #27480 = 69500M #27520 = 69600M #27560 = 69700M #27600 = 69800M #27640 = 69900M #27680 = 70000M #27720 = 70100M #27760 = 70200M #27800 = 70300M #27840 = 70400M #27880 = 70500M #27920 = 70600M #27960 = 70700M #28000 = 70800M #28040 = 70900M #28080 = 71000M #28120 = 71100M #28160 = 71200M #28200 = 71300M #28240 = 71400M #28280 = 71500M #28320 = 71600M #28360 = 71700M #28400 = 71800M #28440 = 71900M #28480 = 72000M #28520 = 72100M #28560 = 72200M #28600 = 72300M #28640 = 72400M #28680 = 72500M #28720 = 72600M #28760 = 72700M #28800 = 72800M #28840 = 72900M #28880 = 73000M #28920 = 73100M #28960 = 73200M #29000 = 73300M #29040 = 73400M #29080 = 73500M #29120 = 73600M #29160 = 73700M #29200 = 73800M #29240 = 73900M #29280 = 74000M #29320 = 74100M #29360 = 74200M #29400 = 74300M #29440 = 74400M #29480 = 74500M #29520 = 74600M #29560 = 74700M #29600 = 74800M #29640 = 74900M #29680 = 75000M #29720 = 75100M #29760

**E** **LINTEL TABLES (L8-24M)**

# 600mm Lintel Depth

| Uniformly Distributed Load KN/m |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|---------------------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
| Opening Width                   | 7.0 KN/m            |                   | 10.5 KN/m           |                   | 14.0 KN/m           |                   | 17.5 KN/m           |                   | 21.0 KN/m           |                   | 24.5 KN/m           |                   | 28.0 KN/m           |                   | 31.5 KN/m           |                   | 35.0 KN/m           |                   |
|                                 | 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. |
| 900mm                           | 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                 |
| 1200mm                          | 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                 |
| 1500mm                          | 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                 |
| 1800mm                          | 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                 |
| 2400mm                          | 1-10M               | 0                 | 1-10M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-20M               | 0                 | 1-20M               | 0                 | 1-20M               | 600               | 1-20M               | 650               |
| 3000mm                          | 1-15M               | 0                 | 1-15M               | 0                 | 1-15M               | 0                 | 1-20M               | 0                 | 1-20M               | 650               | 1-20M               | 750               | 1-20M               | 850               | 2-15M               | 900               | 2-15M               | 950               |
| 3600mm                          | 1-15M               | 0                 | 1-20M               | 0                 | 1-20M               | 0                 | 1-20M               | 800               | 2-15M               | 950               | 2-15M               | 1050              | 1-15M + 1-20M       | 1150              | 1-15M + 1-20M       | 1200              | 2-20M               | 1250              |
| 4200mm                          | 1-20M               | 0                 | 1-20M               | 0                 | 1-20M               | 850               | 2-15M               | 1100              | 1-15M + 1-20M       | 1250              | 1-15M + 1-20M       | 1350              | 2-20M               | 1450              | 1-10M + 2-20M       | 1500              | 1-15M + 2-20M       | 1550              |
| 4800mm                          | 1-20M               | 0                 | 2-15M               | 800               | 2-15M               | 1150              | 1-15M + 1-20M       | 1400              | 2-20M               | 1550              | 1-10M + 2-20M       | 1650              | 1-15M + 2-20M       | 1750              | 3-20M               | 1800              | 1-10M + 3-20M       | 1850              |
| 5400mm                          | 1-20M               | 0                 | 2-15M               | 1100              | 2-20M               | 1450              | 1-10M + 2-20M       | 1700              | 1-15M + 2-20M       | 1850              | 3-20M               | 1950              | 1-15M + 3-20M       | 2050              | 4-20M               | 2100              |                     |                   |
| 6000mm                          | 2-15M               | 850               | 2-15M               | 1400              | 1-10M + 2-20M       | 1750              | 1-15M + 2-20M       | 2000              | 1-10M + 3-20M       | 2150              |                     |                   |                     |                   |                     |                   |                     |                   |

## NOTES:

1. Stirrup Spacing = 381 mm
2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

## All Stirrup End Distance measurements above are listed in mm

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5

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Table Prepared by:

Table No.

L 8-24M

200mm Thick  
600mm Deep  
Lintels

NOTES:  
 1. Stirrup Spacing = 381 mm  
 2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

**All Stirrup End Distance measurements above are listed in mm**

For metric dimension based projects 10M = #4 within the USA using imperial bar sizes - 15M = #5 the following substitutions are applicable: 20M = #6 1-#4 + 1-#5 may be substituted for 1-#6 2-#4 may be substituted for 1-#5



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Table Prepared by:

**200mm Thick  
600mm Deep  
Lintels**  
**Table No.  
L 8-24M**



# E LINTEL TABLES (L8-24I)

| Opening Width | 24" Lintel Depth                  |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|---------------|-----------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
|               | Uniformly Distributed Load lbs/ft |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|               | 480 lbs/ft                        |                   | 715 lbs/ft          |                   | 955 lbs/ft          |                   | 1195 lbs/ft         |                   | 1435 lbs/ft         |                   | 1675 lbs/ft         |                   | 1915 lbs/ft         |                   | 2155 lbs/ft         |                   | 2395 lbs/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. |
| 3'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 4'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                |
| 5'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 0"                |
| 6'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                |
| 8'-0"         | 1-#4                              | 0"                | 1-#4                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#6                | 0"                | 1-#6                | 0"                | 1-#6                | 24"               | 1-#6                | 26"               |
| 10'-0"        | 1-#5                              | 0"                | 1-#5                | 0"                | 1-#5                | 0"                | 1-#6                | 0"                | 1-#6                | 0"                | 1-#6                | 26"               | 1-#6                | 30"               | 1-#6                | 34"               | 2-#5                | 38"               |
| 12'-0"        | 1-#5                              | 0"                | 1-#6                | 0"                | 1-#6                | 0"                | 1-#6                | 32"               | 2-#5                | 38"               | 2-#5                | 38"               | 2-#5                | 42"               | 1-#5 + 1-#6         | 46"               | 1-#5 + 1-#6         | 50"               |
| 14'-0"        | 1-#6                              | 0"                | 1-#6                | 0"                | 1-#6                | 34"               | 2-#5                | 44"               | 2-#5                | 44"               | 1-#5 + 1-#6         | 50"               | 1-#5 + 1-#6         | 54"               | 2-#6                | 58"               | 1-#4 + 2-#6         | 62"               |
| 16'-0"        | 1-#6                              | 0"                | 2-#5                | 32"               | 2-#5                | 46"               | 1-#5 + 1-#6         | 56"               | 1-#5 + 1-#6         | 56"               | 2-#6                | 62"               | 1-#4 + 2-#6         | 66"               | 1-#5 + 2-#6         | 70"               | 1-#4 + 3-#6         | 74"               |
| 18'-0"        | 1-#6                              | 0"                | 2-#5                | 44"               | 2-#6                | 58"               | 1-#4 + 2-#6         | 68"               | 1-#5 + 2-#6         | 74"               | 1-#5 + 2-#6         | 74"               | 3-#6                | 78"               | 1-#5 + 3-#6         | 82"               | 4-#6                | 84"               |
| 20'-0"        | 2-#5                              | 34"               | 2-#5                | 56"               | 1-#4 + 2-#6         | 70"               | 1-#5 + 2-#6         | 80"               | 1-#4 + 3-#6         | 86"               |                     |                   |                     |                   |                     |                   |                     |                   |

NOTES:

1. Stirrup Spacing = 15"

2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".

For imperial dimension based projects within Canada using metric bar sizes - the following substitutions are applicable #4 = 15M #5 = 20M #6 = 25M #8 = 32M #10 = 40M #12 = 48M #14 = 56M #16 = 64M #18 = 76M #20 = 80M #22 = 89M #24 = 102M #28 = 125M #32 = 141M #36 = 159M #40 = 178M #44 = 196M #50 = 229M #56 = 254M #60 = 279M #66 = 305M #72 = 332M #78 = 359M #84 = 386M #90 = 413M #96 = 440M #102 = 467M #108 = 494M #114 = 521M #120 = 548M #126 = 575M #132 = 602M #138 = 629M #144 = 656M #150 = 683M #156 = 710M #162 = 737M #168 = 764M #174 = 791M #180 = 818M #186 = 845M #192 = 872M #198 = 899M #204 = 926M #210 = 953M #216 = 980M #222 = 1007M #228 = 1034M #234 = 1061M #240 = 1088M #246 = 1115M #252 = 1142M #258 = 1169M #264 = 1196M #270 = 1223M #276 = 1250M #282 = 1277M #288 = 1304M #294 = 1331M #300 = 1358M #306 = 1385M #312 = 1412M #318 = 1439M #324 = 1466M #330 = 1493M #336 = 1520M #342 = 1547M #348 = 1574M #354 = 1601M #360 = 1628M #366 = 1655M #372 = 1682M #378 = 1709M #384 = 1736M #390 = 1763M #396 = 1790M #402 = 1817M #408 = 1844M #414 = 1871M #420 = 1898M #426 = 1925M #432 = 1952M #438 = 1979M #444 = 2006M #450 = 2033M #456 = 2060M #462 = 2087M #468 = 2114M #474 = 2141M #480 = 2168M #486 = 2195M #492 = 2222M #498 = 2249M #504 = 2276M #510 = 2303M #516 = 2330M #522 = 2357M #528 = 2384M #534 = 2411M #540 = 2438M #546 = 2465M #552 = 2492M #558 = 2519M #564 = 2546M #570 = 2573M #576 = 2600M #582 = 2627M #588 = 2654M #594 = 2681M #600 = 2708M #606 = 2735M #612 = 2762M #618 = 2789M #624 = 2816M #630 = 2843M #636 = 2870M #642 = 2897M #648 = 2924M #654 = 2951M #660 = 2978M #666 = 3005M #672 = 3032M #678 = 3059M #684 = 3086M #690 = 3113M #696 = 3140M #702 = 3167M #708 = 3194M #714 = 3221M #720 = 3248M #726 = 3275M #732 = 3302M #738 = 3329M #744 = 3356M #750 = 3383M #756 = 3410M #762 = 3437M #768 = 3464M #774 = 3491M #780 = 3518M #786 = 3545M #792 = 3572M #798 = 3599M #804 = 3626M #810 = 3653M #816 = 3680M #822 = 3707M #828 = 3734M #834 = 3761M #840 = 3788M #846 = 3815M #852 = 3842M #858 = 3869M #864 = 3896M #870 = 3923M #876 = 3950M #882 = 3977M #888 = 4004M #894 = 4031M #900 = 4058M #906 = 4085M #912 = 4112M #918 = 4139M #924 = 4166M #930 = 4193M #936 = 4220M #942 = 4247M #948 = 4274M #954 = 4301M #960 = 4328M #966 = 4355M #972 = 4382M #978 = 4409M #984 = 4436M #990 = 4463M #996 = 4490M #1002 = 4517M #1008 = 4544M #1014 = 4571M #1020 = 4598M #1026 = 4625M #1032 = 4652M #1038 = 4679M #1044 = 4706M #1050 = 4733M #1056 = 4760M #1062 = 4787M #1068 = 4814M #1074 = 4841M #1080 = 4868M #1086 = 4895M #1092 = 4922M #1098 = 4949M #1104 = 4976M #1110 = 5003M #1116 = 5030M #1122 = 5057M #1128 = 5084M #1134 = 5111M #1140 = 5138M #1146 = 5165M #1152 = 5192M #1158 = 5219M #1164 = 5246M #1170 = 5273M #1176 = 5300M #1182 = 5327M #1188 = 5354M #1194 = 5381M #1200 = 5408M #1206 = 5435M #1212 = 5462M #1218 = 5489M #1224 = 5516M #1230 = 5543M #1236 = 5570M #1242 = 5597M #1248 = 5624M #1254 = 5651M #1260 = 5678M #1266 = 5705M #1272 = 5732M #1278 = 5759M #1284 = 5786M #1290 = 5813M #1296 = 5840M #1302 = 5867M #1308 = 5894M #1314 = 5921M #1320 = 5948M #1326 = 5975M #1332 = 6002M #1338 = 6029M #1344 = 6056M #1350 = 6083M #1356 = 6110M #1362 = 6137M #1368 = 6164M #1374 = 6191M #1380 = 6218M #1386 = 6245M #1392 = 6272M #1398 = 6299M #1404 = 6326M #1410 = 6353M #1416 = 6380M #1422 = 6407M #1428 = 6434M #1434 = 6461M #1440 = 6488M #1446 = 6515M #1452 = 6542M #1458 = 6569M #1464 = 6596M #1470 = 6623M #1476 = 6650M #1482 = 6677M #1488 = 6704M #1494 = 6731M #1500 = 6758M #1506 = 6785M #1512 = 6812M #1518 = 6839M #1524 = 6866M #1530 = 6893M #1536 = 6920M #1542 = 6947M #1548 = 6974M #1554 = 7001M #1560 = 7028M #1566 = 7055M #1572 = 7082M #1578 = 7109M #1584 = 7136M #1590 = 7163M #1596 = 7190M #1602 = 7217M #1608 = 7244M #1614 = 7271M #1620 = 7298M #1626 = 7325M #1632 = 7352M #1638 = 7379M #1644 = 7406M #1650 = 7433M #1656 = 7460M #1662 = 7487M #1668 = 7514M #1674 = 7541M #1680 = 7568M #1686 = 7595M #1692 = 7622M #1698 = 7649M #1704 = 7676M #1710 = 7703M #1716 = 7730M #1722 = 7757M #1728 = 7784M #1734 = 7811M #1740 = 7838M #1746 = 7865M #1752 = 7892M #1758 = 7919M #1764 = 7946M #1770 = 7973M #1776 = 8000M #1782 = 8027M #1788 = 8054M #1794 = 8081M #1800 = 8108M #1806 = 8135M #1812 = 8162M #1818 = 8189M #1824 = 8216M #1830 = 8243M #1836 = 8270M #1842 = 8297M #1848 = 8324M #1854 = 8351M #1860 = 8378M #1866 = 8405M #1872 = 8432M #1878 = 8459M #1884 = 8486M #1890 = 8513M #1896 = 8540M #1902 = 8567M #1908 = 8594M #1914 = 8621M #1920 = 8648M #1926 = 8675M #1932 = 8702M #1938 = 8729M #1944 = 8756M #1950 = 8783M #1956 = 8810M #1962 = 8837M #1968 = 8864M #1974 = 8891M #1980 = 8918M #1986 = 8945M #1992 = 8972M #1998 = 9000M #2004 = 9027M #2010 = 9054M #2016 = 9081M #2022 = 9108M #2028 = 9135M #2034 = 9162M #2040 = 9189M #2046 = 9216M #2052 = 9243M #2058 = 9270M #2064 = 9297M #2070 = 9324M #2076 = 9351M #2082 = 9378M #2088 = 9405M #2094 = 9432M #2100 = 9459M #2106 = 9486M #2112 = 9513M #2118 = 9540M #2124 = 9567M #2130 = 9594M #2136 = 9621M #2142 = 9648M #2148 = 9675M #2154 = 9702M #2160 = 9729M #2166 = 9756M #2172 = 9783M #2178 = 9810M #2184 = 9837M #2190 = 9864M #2196 = 9891M #2202 = 9918M #2208 = 9945M #2214 = 9972M #2220 = 10000M #2226 = 10027M #2232 = 10054M #2238 = 10081M #2244 = 10108M #2250 = 10135M #2256 = 10162M #2262 = 10189M #2268 = 10216M #2274 = 10243M #2280 = 10270M #2286 = 10297M #2292 = 10324M #2298 = 10351M #2304 = 10378M #2310 = 10405M #2316 = 10432M #2322 = 10459M #2328 = 10486M #2334 = 10513M #2340 = 10540M #2346 = 10567M #2352 = 10594M #2358 = 10621M #2364 = 10648M #2370 = 10675M #2376 = 10702M #2382 = 10729M #2388 = 10756M #2394 = 10783M #2400 = 10810M #2406 = 10837M #2412 = 10864M #2418 = 10891M #2424 = 10918M #2430 = 10945M #2436 = 10972M #2442 = 11000M #2448 = 11027M #2454 = 11054M #2460 = 11081M #2466 = 11108M #2472 = 11135M #2478 = 11162M #2484 = 11189M #2490 = 11216M #2496 = 11243M #2502 = 11270M #2508 = 11297M #2514 = 11324M #2520 = 11351M #2526 = 11378M #2532 = 11405M #2538 = 11432M #2544 = 11459M #2550 = 11486M #2556 = 11513M #2562 = 11540M #2568 = 11567M #2574 = 11594M #2580 = 11621M #2586 = 11648M #2592 = 11675M #2598 = 11702M #2604 = 11729M #2610 = 11756M #2616 = 11783M #2622 = 11810M #2628 = 11837M #2634 = 11864M #2640 = 11891M #2646 = 11918M #2652 = 11945M #2658 = 11972M #2664 = 12000M #2670 = 12027M #2676 = 12054M #2682 = 12081M #2688 = 12108M #2694 = 12135M #2700 = 12162M #2706 = 12189M #2712 = 12216M #2718 = 12243M #2724 = 12270M #2730 = 12297M #2736 = 12324M #2742 = 12351M #2748 = 12378M #2754 = 12405M #2760 = 12432M #2766 = 12459M #2772 = 12486M #2778 = 12513M #2784 = 12540M #2790 = 12567M #2796 = 12594M #2802 = 12621M #2808 = 12648M #2814 = 12675M #2820 = 12702M #2826 = 12729M #2832 = 12756M #2838 = 12783M #2844 = 12810M #2850 = 12837M #2856 = 12864M #2862 = 12891M #2868 = 12918M #2874 = 12945M #2880 = 12972M #2886 = 13000M #2892 = 13027M #2898 = 13054M #2904 = 13081M #2910 = 13108M #2916 = 13135M #2922 = 13162M #2928 = 13189M #2934 = 13216M #2940 = 13243M #2946 = 13270M #2952 = 13297M #2958 = 13324M #2964 = 13351M #2970 = 13378M #2976 = 13405M #2982 = 13432M #2988 = 13459M #2994 = 13486M #3000 = 13513M #3006 = 13540M #3012 = 13567M #3018 = 13594M #3024 = 13621M #3030 = 13648M #3036 = 13675M #3042 = 13702M #3048 = 13729M #3054 = 13756M #3060 = 13783M #3066 = 13810M #3072 = 13837M #3078 = 13864M #3084 = 13891M #3090 = 13918M #3096 = 13945M #3102 = 13972M #3108 = 14000M #3114 = 14027M #3120 = 14054M #3126 = 14081M #3132 = 14108M #3138 = 14135M #3144 = 14162M #3150 = 14189M #3156 = 14216M #3162 = 14243M #3168 = 14270M #3174 = 14297M #3180 = 14324M #3186 = 14351M #3192 = 14378M #3198 = 14405M #3204 = 14432M #3210 = 14459M #3216 = 14486M #3222 = 14513M #3228 = 14540M #3234 = 14567M #3240 = 14594M #3246 = 14621M #3252 = 14648M #3258 = 14675M #3264 = 14702M #3270 = 14729M #3276 = 14756M #3282 = 14783M #3288 = 14810M #3294 = 14837M #3300 = 14864M #3306 = 14891M #3312 = 14918M #3318 = 14945M #3324 = 14972M #3330 = 15000M #3336 = 15027M #3342 = 15054M #3348 = 15081M #3354 = 15108M #3360 = 15135M #3366 = 15162M #3372 = 15189M #3378 = 15216M #3384 = 15243M #3390 = 15270M #3396 = 15297M #3402 = 15324M #3408 = 15351M #3414 = 15378M #3420 = 15405M #3426 = 15432M #3432 = 15459M #3438 = 15486M #3444 = 15513M #3450 = 15540M #3456 = 15567M #3462 = 15594M #3468 = 15621M #3474 = 15648M #3480 = 15675M #3486 = 15702M #3492 = 15729M #3498 = 15756M #3504 = 15783M #3510 = 15810M #3516 = 15837M #3522 = 15864M #3528 = 15891M #3534 = 15918M #3540 = 15945M #3546 = 15972M #3552 = 16000M #3558 = 16027M #3564 = 16054M #3570 = 16081M #3576 = 16108M #3582 = 16135M #3588 = 16162M #3594 = 16189M #3600 = 16216M #3606 = 16243M #3612 = 16270M #3618 = 16297M #3624 = 16324M #3630 = 16351M #3636 = 16378M #3642 = 16405M #3648 = 16432M #3654 = 16459M #3660 = 16486M #3666 = 16513M #3672 = 16540M #3678 = 16567M #3684 = 16594M #3690 = 16621M #3696 = 16648M #3702 = 16675M #3708 = 16702M #3714 = 16729M #3720 = 16756M #3726 = 16783M #3732 = 16810M #3738 = 16837M #3744 = 16864M #3750 = 16891M #3756 = 16918M #3762 = 16945M #3768 = 16972M #3774 = 17000M #3780 = 17027M #3786 = 17054M #3792 = 17081M #3798 = 17108M #3804 = 17135M #3810 = 17162M #3816 = 17189M #3822 = 17216M #3828 = 17243M #3834 = 17270M #3840 = 17297M #3846 = 17324M #3852 = 17351M #3858 = 17378M #3864 = 17405M #3870 = 17432M #3876 = 17459M #3882 = 17486M #3888 = 17513M #3894 = 17540M #3900 = 17567M #3906 = 17594M #3912 = 17621M #3918 = 17648M #3924 = 17675M #3930 = 17702M #3936 = 17729M #3942 = 17756M #3948 = 17783M #3954 = 17810M #3960 = 17837M #3966 = 17864M #3972 = 17891M #3978 = 17918M #3984 = 17945M #3990 = 17972M #3996 = 18000M #4002 = 18027M #4008 = 18054M #4014 = 18081M #4020 = 18108M #4026 = 18135M #4032 = 18162M #4038 = 18189M #4044 = 18216M #4050 = 18243M #4056 = 18270M #4062 = 18297M #4068 = 18324M #4074 = 18351M #4080 = 18378M #4086 = 18405M #4092 = 18432M #4098 = 18459M #4104 = 18486M #4110 = 18513M #4116 = 18540M #4122 = 18567M #4128 = 18594M #4134 = 18621M #4140 = 18648M #4146 = 18675M #4152 = 18702M #4158 = 18729M #4164 = 18756M #4170 = 18783M #4176 = 18810M #4182 = 18837M #4188 = 18864M #4194 = 18891M #4200 = 18918M #4206 = 18945M #4212 = 18972M #4218 = 19000M #4224 = 19027M #4230 = 19054M #4236 = 19081M #4242 = 19108M #4248 = 19135M #4254 = 19162M #4260 = 19189M #4266 = 19216M #4272 = 19243M #4278 = 19270M #4284 = 19297M #4290 = 19324M #4296 = 19351M #4302 = 19378M #4308 = 19405M #4314 = 19432M #4320 = 19459M #4326 = 19486M #4332 = 19513M #4338 = 19540M #4344 = 19567M #4350 = 19594M #4356 = 19621M #4362 = 19648M #4368 = 19675M #4374 = 19702M #4380 = 19729M #4386 = 19756M #4392 = 19783M #4398 = 19810M #4404 = 19837M #4410 = 19864M #4416 = 19891M #4422 = 19918M #4428 = 19945M #4434 = 19972M #4440 = 20000M #4446 = 20027M #4452 = 20054M #4458 = 20081M #4464 = 20108M #4470 = 20135M #4476 = 20162M #4482 = 20189M #4488 = 20216M #4494 = 20243M #4500 = 20270M #4506 = 20297M #4512 = 20324M #4518 = 20351M #4524 = 20378M #4530 = 20405M #4536 = 20432M #4542 = 20459M #4548 = 20486M #4554 = 20513M #4560 = 20540M #4566 = 20567M #4572 = 20594M #4578 = 20621M #4584 = 20648M #4590 = 20675M #4596 = 20702M #4602 = 20729M #4608 = 20756M #4614 = 20783M #4620 = 20810M #4626 = 20837M #4632 = 20864M #4638 = 20891M #4644 = 20918M #4650 = 20945M #4656 = 20972M #4662 = 21000M #4668 = 21027M #4674 = 21054M #4680 = 21081M #4686 = 21108M #4692 = 21135M #4698 = 21162M #4704 = 21189M #4710 = 21216M #4716 = 21243M #4722 = 21270M #4728 = 21297M #4734 = 21324M #4740 = 21351M #4746 = 21378M #4752 = 21405M #4758 = 21432M #4764 = 21459M #4770 = 21486M #4776 = 21513M #4782 = 21540M #4788 = 21567M #4794 = 21594M #4800 = 21621M #4806 = 21648M #4812 = 21675M #4818 = 21702M #4824 = 21729M #4830 = 21756M #4836 = 21783M #4842 = 21810M #4848 = 21837M #4854 = 21864M #4860 = 21891M #4866 = 21918M #4872 = 21945M #4878 = 21972M #4884 = 22000M #4890 = 22027M #4896 = 22054M #4902 = 22081M #4908 = 22108M #4914 = 22135M #4920 = 22162M #4926 = 22189M #4932 = 22216M #4938 = 22243M #49

NOTES:  
 1. Stirrup Spacing = 15"  
 2. This table to be used in conjunction with the "Design Limitations" & "Structural Engineering Analysis Report".  
 \* (The smaller diameter of 10M bar has already been factored within the required steel for each scenario) #6 = 20M  
 1-#4 + 1-#5 may be substituted for 1-#6  
 2-#4 may be substituted for 1-#5



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**TACOMA**  
 ENGINEERS  
 Table Prepared by:

8" Thick  
 24" Deep  
 Lintels  
 Table No.  
**L 8-24I**