

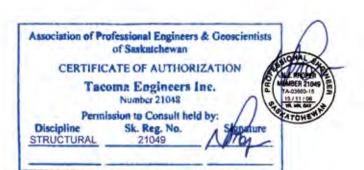
#### Engineering Certification for Appendix E

The lintel reinforcing tables in Appendix E for use in Canada have been reviewed and certified on October 30, 2015 by Tacoma Engineers for use in the Province of Ontario. These tables have also been reviewed for conformance to the following Codes and Regulations:

- 2014 Alberta Building Code
- 2012 British Columbia Building Code
- 2011 Manitoba Building Code
- 2014 Nova Scotia Building Code
- 2010 National Building Code as amended by The Uniform Building and Accessibility Standards Regulations in Saskatchewan

The following additional requirements apply to locations where  $S_a(0.2) \ge 0.67$ 

 Provide a minimum of three stirrups at the ends of all lintels at the spacing indicated in the lintel tables.













# Design Limitations and Tables for Lintels





#### **Design Limitations**

- 1. These tables apply to <u>residential buildings ONLY</u> that conform to the requirements of the appropriate building codes or design guides that are currently recognized within the official Canadian product evaluation reports produced for NUDURA Corporation. It is assumed that construction will comply with the appropriate, local building codes, which may include:
  - Part 9 of the National Building Code of Canada 2010
  - Part 9 of applicable provincial building codes, issued based on the above requirement

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 <u>UNFACTORED</u> loads were assumed in the design of the lintels featured in this appendix:
  - A) Roof Snow Load (Live) = 4.0 kPa (84 psf)
  - B) Occupancy Load (Live) = 1.9 kPa (40 psf)
  - C) Roof and Floor Load (Dead) = 0.7 kPa (15 psf)
  - D) Concrete Density (Dead) =  $23.6 \text{ kN/m}^3 (150 \text{ lb/ft}^3)$
  - E) Brick Density (Dead) =  $20.0 \text{ kN/m}^3 (128 \text{ lb/ft}^3)$
- 3. The uniformly distributed loads indicated within the tables of this appendix are <u>UNFACTORED</u> and are also assumed in the design of the lintels in conjunction with the unfactored 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 and/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 3.05m (10'-0") on one end only, the uniformly distributed load (UDL) is calculated as follows:

#### Metric:

UDL = TW (LL + DL) = 3.05m/2 (1.9 kPa + 0.7 kPa) = 3.965 kN/m Imperial: UDL = TW (LL + DL) = 10ft/2 (40 psf + 15 psf) = 275 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 = 7.32 m (24 ft).
- 8. Maximum roof clear span = 12.2 m (40 ft).
- 9. Lintels are designed for <u>uniformly distributed gravity line loads only</u>. 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 reinforcement shall consist of the following:
  - One 10M top bar located 38 mm (1½") from top of lintel that extends a minimum of 610mm (24") 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 38 mm ( $1\frac{1}{2}$ ") and shall extend a minimum of 610 mm (24") past each side of the wall opening.





- When required, minimum 10M hook stirrups shall be installed around top and bottom bars, per the dimensions and required spacing as indicated in the Tables and Drawings, located at the end of this section.
- 11.Lintel steel specifications in Note 10 assumes that horizontal 10M continuous wall reinforcing is being maintained either side of the wall opening at 457 mm (18") o.c.
- 12. Where there is less than 305 mm (12") of wall between openings, the lintel shall be reinforced to span over both openings.
- 13. Where there is less than 610 mm (24") of wall between openings, and where either opening is greater than 1.53 m (5'-0") in length, the lintel shall be reinforced to span over both openings.
- 14. Construction joints shall not be installed within 610 mm (24") on either side of any wall opening.
- 15. Minimum bar lap length shall be as follows:
  - A) 457 mm (18") for 10M bars
  - B) 660 mm (26") for 15M bars
  - C) 762 mm (30") for 20M bars
- 16. Where bars within a lintel cannot achieve a minimum concrete side cover and spacing of 38 mm ( $1\frac{1}{2}$ "), 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 <u>within</u> 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 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:
  - CAN/CSA-A23.1 /A23.2 /A23.3
- 18. Reinforcing Steel shall be deformed rebar, placed in accordance with the manuals of standard practice Canada and shall be supplied at the following minimum yield strength:
  - CAN: Grade 400 (400 MPa)
- 19. The minimum 28 day compressive strength of concrete shall be 20 MPa (3000 psi).
- 20. The design and construction of all work on site shall conform to the latest editions of the applicable building codes for the region where installation is taking place, including local applicable code regulations and bylaws as well as all applicable health and 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.



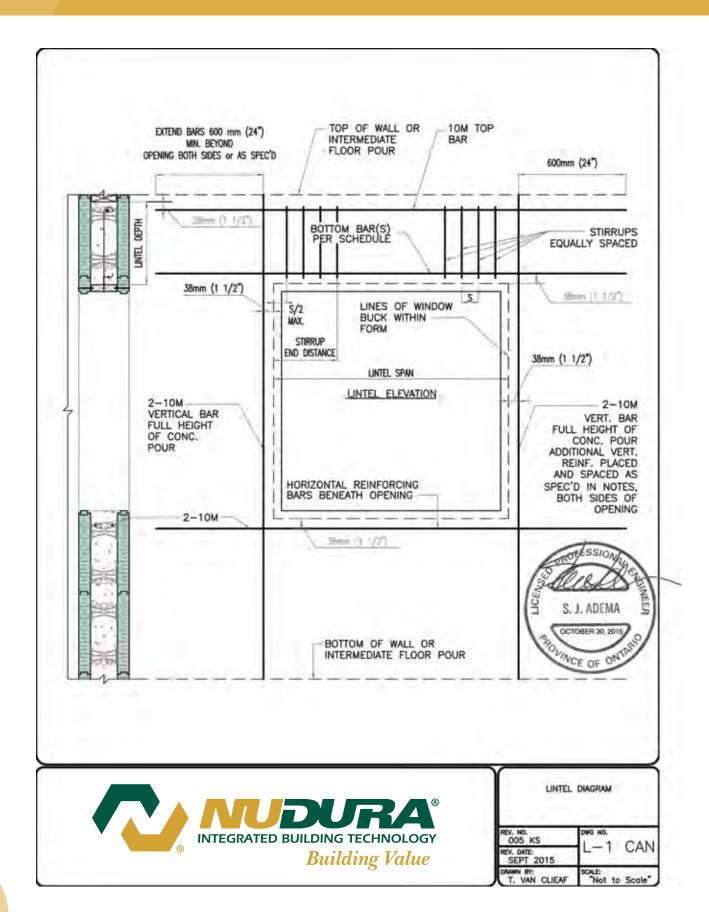


- 24. The contractor shall take adequate measures to protect concrete from exposure to freezing temperatures and precipitation for at least seven days after concrete placement.
- 25.It is optimal to use a maximum of 9.5 mm (3/8") diameter pea gravel or 9.5 mm (3/8") diameter crushed aggregate.

For 100 mm (4") and 150 mm (6") thick concrete walls it is permitted to use up to 12.7 mm (1/2") diameter crushed aggregate, and for 200 mm (8") and 250 mm (10") thick concrete walls a maximum 19.1 mm (3/4") diameter crushed aggregate.

Extra care is needed when vibrating during concrete placement for the purpose of ensuring a homogeneous aggregate distribution, without segregation. Larger diameter crushed aggregate can cause air pockets and honeycombing and a generally poor concrete mix with inadequate vibration.





							22	225mm	(6)	Linte	(9") Lintel Depth	th						
Opening								Unifor	Uniformly Distributed Load	ributed	Load							
Middle	7.0 KN/m (480 lb/ft)	Wm WE)	10.5 KN/m (715 lb/ft)	N/m b/ft)	14.0 KN/m (955 lb/ft)	CN/m b/ft)	17.5 KN/m (1195 lb/ft)	N/m b/ft)	21.0 KN/m (1435 lb/ft)	N/m b/ft)	24.5 KN/m (1675 lb/ft)	N/m b/ft)	28.0 KN/m (1915 lb/ft)	N/m b/ft)	31.5 KN/m (2155 Ib/ft)	(N/m)	35.0 KN/m (2395 lb/ft)	N/m b/ft)
	Bottom Retrif.	Stirrup End	Bottom Reinf.	Stimup End Dist	Bottom Reint.	Stirrup End Dist	Bottom Reinf.	Stimup End	Bottom Reinf.	Stimup End Dest	Bottom Reinf.	Stimup End Diet	Bottom Reinf.	Stirrup End Dist	Reinf.	Stimp	Bottom Reinf.	Stirrup End Diet
(3:-0")	1-10M	0	1-10M	0	1-10M	0	1-10M	(8")	1-10M	(8")	1-10M	306 (12")	1-10M	306	1-10M	306	1-15M	306
1200mm (4'-0")	1-10M	0	1-10M	0	1-10M	204	1-10M	306	1-15M	408	1-15M	408	1-15M	408	1-15M	510 (20")		
1500mm (5'-0")	1-10M	0	1-10M	306	1-15M	408	1-15M	510 (20")	1-15M	510 (20")								
1800mm (6'-0")	1-15M	204	1-15M	408	1-20M	510	1-20M	612 (24°)										
2400mm (8'-0")	1-20M	510																
3000mm (10'-0")														-	1883/Gum	l'and		
3600mm (12'-0")														C.	6018	X	1	
4200mm (14'-0")														ao⊓	S. J. ADEMA		NEER	
4800mm (16'-0")															OCTOBER 34 2015	(3015)		
5400mm (18'-0")														/	OUNCE OF	1		
6000mm (20'-0")															)			
NOTES: 1. This table to be used in conjunction with the general notes and details located at the beginning of this sec 2. Stirrup Spacing = 102mm (4")	OTES: This table to be used in conjunction with the general notes and details located at the beginning of this section Stirrup Spacing = 102mm (4")	locate 102mm	conjunct d at the b (4")	ion with	h the gen ng of this	eral		Stirrup	All Stirrup End Distance measurements above are listed in mm (in)	stance listed i	n mm (	in)	ıts	1-10	The following M + 1-15M r 2-10M r	g substitution may be sub	The following substitutions are permitted: 1-10M + 1-15M may be substituted for 1-20M 2-10M may be substituted for 1-15M	1-20M 1-15M
							©		E	<	Table Prepared by:	ared by.		<		5 %	100mm (4") Thick	4")
	(C)	INTEG	RATED !	BUILDI	INTEGRATED BUILDING TECHNOLOGY  Building Value	HNOLC g Vah	Jey Me			IAC		Z	ENGINEERS	ER.	4 00	Table No.	Deep No.	5
																1	4-21	<u> </u>

							300	mm	300mm (12") Lintel Depth	Lint	el Der	th						
Opening								Unifor	Uniformly Distributed Load	hibuted	Load							
Midia	7.0 KN/m (480 lb/ft)	A/m)	10.5 KN/m (715 lb/ft)	N/m s/ft)	14.0 KN/m (955 lb/ft)	CN/m b/ft)	17.5 KN/m (1195 lb/ft)	N/m b/ft)	21.0 KN/m (1435 lb/ft)	N/m b/ft)	24.5 KN/m (1675 lb/ft)	N/m b/ft)	28.0 KN/m (1915 lb/ft)	N/m b/ft)	31.5 KN/m (2155 lb/ft)	CN/m Ib/ft)	35.0 KN/m (2395 lb/ft)	N/m Ib/ft)
	Bottom Reinf.	Stirrup End Dist	Bottom Rehrf.	Stimp End Dist.	Bottom Reinf.	Stimp End Dist	Bottom Reinf.	Stimup End Dist	Bottom Roinf.	Strup	Bottom Reinf. Steel	Stimp End Dist	Bottom Reinf. Steel	Stimup End Dist	Bottom Reinf.	Stimup End Dist	Bottom Reinf.	Stimup
900mm (3'-0")	1-10M	0	1-10M	0	1-10M	304	1-10M	304	1-10M	304	1-10M	304	1-10M	304	1-10M	456 (18")	1-10M	456 (18")
1200mm (4:-0")	1-10M	0	W01-1	304 (12")	1-10M	456 (18")	1-10M	456 (18")	1-10M	456 (18")	1-10M	456 (18")	1-15M	456 (18")	1-15M	608	1-15M	(24")
1500mm (5'-0")	1-10M	304	1-10M	456 (18")	1-10M	(24")	1-15M	608	1-15M	608	1-15M	608	1-15M	(24")	1-15M	(30")	1-20M	(30")
1800mm (6'-0")	1-10M	456	1-10M	608	1-15M	(30°)	1-15M	(30°)	1-15M	(30")	1-20M	(30")	1-20M	(30°)				
2400mm (8'-0")	1-15M	780	1-15M	912	1-20M	1064	2-15M	1064										Ì
3000mm (10'-0")	1-20M	1064	2-15M	1216 (48")											(cussalo)	/ Swich		
3600mm (12:-0")	2-15M	1388												C.	1018	X	1	
4200mm (14'-0")														(3OIT	S. J. ADEMA		NEER	
4800mm (16'-0")														-	OCTOBER 30, 2015,	(3108.)		
5400mm (18'-0")														/		1		
6000mm (20'-0")															1	\		
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							œ			H	Table Prepared by:	ared by:				10	100mm (4") Thick	4")
	©	INTEG	INTEGRATED BUILDING TECHNOLOGY	D BUILDI	NG TEC	IG TECHNOLOGY	λgς		H	TAC	U		MA	Y		300r	300mm (12") Deep	12")
				DI	builaing value	200	a N					U Z	ENGINEERS	ER			4-12M	Σ

Column   C								375	mm	375mm (15") Lintel Depth	Lint	el Dep	ţ						
75 KWm   7	Opening								Unifor	mly Dist	ributec	Load							
Building Value   Buil	Midth	7.0 KN (480 II	W/m S/ft)	10.5 K	CN/m b/ft)	14,0 K	SN/m b/ft)	17.5 K	N/m b/ft)	21.0 KI	N/m b/ft)	24.5 KI (1675 II	W/m b/ft)	28.0 KI	N/m D/R)	31.5 k	(N/m Ib/ft)	35.0 K	N/m b/ft)
1-10M   0   1-10M   406   1-		Bottom Reinf.	Stimup	Bottom Reinf.	Stimp	8 & s	Stimup End Dist	Bottom Reinf, Steel	Stimup End Dist	Bottom Reinf.	Strrup End Dist	Bottom Reinf.	Stirrup End Dist	Bottom Reinf.	Stimup End Dist	Bottom Reinf.	Stirrup End	Bottom Reinf.	Strrup
1-10M   0   1-10M   0   1-10M   406   1-10	(3:-0")	1-10M	0	1-10M	0		0	1-10M	0	1-10M	0	1-10M	406 (16")	1-10M	406 (16")	1-10M	406	1-10M	406 (16")
1-10M   406   1-10M   406   1-10M   406   1-10M   609   1-15M   609	1200mm (4'-0')	1-10M	0	1-10M	0	1-10M	406 (16")	1-10M	406 (16")	1-10M	406 (16")	1-10M	406 (16")	1-10M	406 (16")	1-10M	609	1-10M	609 (24")
1-10M   406   1-10M   609   1-15M   605   1-10M   609   1-15M   605   1-10M   609   1-15M   605   1-10M   609   1-15M   605	1500mm (5'-0")	1-10M	0	1-10M	406 (16")	1-10M	406 (16")	1-10M	609	1-10M	609	1-15M	609	1-15M	609	1-15M	609	1-15M	609
1-10M   608   1-20M   1015   1-20M   1-20M   1015   1-20M   1-20M   1015   1-20M   1-20M   1015   1-20M	1800mm (6'-0")	1-10M	406 (16°)	1-10M	609	1-10M	(247)	1-15M	609	1-15M	812 (327)	1-15M	812 (327)	1-15M	812 (327)	1-20M	812 (32")	1-20M	812 (32")
1-15M   1015   1-20M   1218   1-20M   1-	2400mm (8'-0")	1-10M	609	1-15M	812 (32")	1-15M	1015	1-20M	1015	1-20M	1015	2-15M	1015	2-15M	1015				ij
1-20M   1218   2-15M   1421   1-15M   1624   14-07   1624   14-07   1624   14-07   1624   1	3000mm (10'-0")	1-15M	1015	1-20M	1218	1-20M	1218 (48")	2-15M	1218 (48")						1	SSACON	1 mg		
200mm 2-15M (64")  190mm (64")	3600mm (12'-0")	1-20M	1218 (48")	2-15M	1421	1-15M 1-20M	1624								38	1018	X	1	
900mm 18-00m 18-	4200mm (14'-0")	2-15M	1624 (64")												∃orı	S. J. AD		MEER	
1980-00-00-00-00-00-00-00-00-00-00-00-00-0	4800mm (16'-0")														۲	OCTOBER 3	30.2015)		
This table to be used in conjunction with the general rocks and details located at the beginning of this section. Stirrup End Distance measurements  This table to be used in conjunction with the general rocks and details located at the beginning of this section. Stirrup End Distance measurements  Table Prepared by:  Table Prepared by:  Table Prepared by:  Building Value  ENGINEERS	5400mm (18'-0")															JAMOE OF	Sall		
This table to be used in conjunction with the general notes and details located at the beginning of this section.  Stirrup Spacing = 203mm (8")  Table Prepared by:  INTEGRATED BUILDING TECHNOLOGY  Building Value  Table Prepared by:  Table Prepare	6000mm (20'-0")															1	1		
INTEGRATED BUILDING TECHNOLOGY  Building Value  ENGINEERS	1. This tal notes a 2. Stirrup (	ble to be und details	s locate	conjunct ed at the b	tion wit beginni	h the gen	eral		Stirrup	End Di	stance	e measu in mm (i	iremer n)	ıts	1-10	The followin M + 1-15M 2-10M	ig substituti may be sul may be suk	ions are pern bstituted for 1	-20M -15M
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					Ì	ruaring	na	<b>v</b>				<u> </u>	U Z	I Z	E R S		T T	4-15	Σ

							450	mm	450mm (18") Lintel Depth	Lint	el Der	)th						
Opening								Unifor	Uniformly Distributed Load	tributed	Load							
MIGINA	7.0 KN/m (480 lb/ft)	N/m	10.5 KN/m (715 lb/ft)	N/m N/ft)	14.0 KN/m (955 lb/ft)	N/m	17.5 KN/m (1195 lb/ft)	N/m b/ft)	21.0 KN/m (1435 lb/ft)	DVm Ib/ft)	24.5 KN/m (1675 lb/ft)	N/m Ib/ft)	28.0 KN/m (1915 lb/ft)	N/m b/ft)	31.5 KN/m (2155 lb/ft)	N/m Ib/ft)	35.0 KN/m (2395 lb/ft)	N/m b/ft)
	Bottom Reinf. Steel	Stimp End Dist	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stimp End Dist	Bottom Reinf Steel	Stimup End Dist.	Bottom Reinf Steel	Stimup End Dist.	Bottom Reinf.	Stirup End Dist	Bottom Reinf.	Stimup End Dist.	Bottom Reinf. Steel	Stimup End Dist.
900mm (3'-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 (4'-0")	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	508 (20")	1-10M	508 (20")	1-10M	508 (20°)	1-10M	508 (20")	1-10M	508
1500mm (5'-0")	1-10M	0	1-10M	0	M01-1	508	1-10M	508 (20°)	1-10M	508	1-10M	508 (20")	1-10M	762 (30")	1-15M	762 (30")	1-15M	762 (30")
1800mm (6'-0")	1-10M	0	1-10M	508 (207)	1-10M	508 (207)	1-10M	762 (30")	1-15M	762	1-15M	762	1-15M	762 (30")	1-15M	762 (30")	1-15M	762
2400mm (8'-0")	1-10M	508	1-15M	762 (307)	1-15M	762 (307)	1-15M	1016 (40")	1-20M	1016 (40")	1-20M	1016 (40")	1-20M	1016 (40")	2-15M	1016 (40")	2-15M	1016 (40")
3000mm (10'-0")	1-15M	(30")	1-15M	1016 (40")	1-20M	1270 (50")	1-20M	1270 (50")	2-15M	1270 (50")	2-15M	1270 (50")	1-15M 1-20M	1524 (60")	Michigan	1		
3600mm (12'-0")	1-15M	1270 (50°)	1-20M	1270 (50°)	2-15M	1524 (60°)	1-15M 1-20M	1524 (60°)	2-20M	1524 (60")					1018		1	
4200mm (14'-0")	1-20M	1524 (60")	2-15M	(707)	2-20M	1778 (707)								Poin	S. J. ADIMA		EER	
4800mm (16'-0")	2-15M	1778 (70°)	2-20M	2032 (80")										- 2	OCTOBER 30 2015	Cours .	/	
5400mm (18'-0")	1-15M 1-20M	2032 (80")												/	STACE OF OWNER	1		
(20"-0")																\_		
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					(9)	7	(B)			T	Table Prepared by:	ared by:				9	100mm (4") Thick	<u>(</u>
	(E)	INTEG	INTEGRATED BUILDING TECHNOLOGY Ruilding Value	BUILDII	LDING TECHNOLOGY	INOLO	<b>1</b> 6 9		$\mathcal{I}$	TAC			MA	K		450	450mm (18") Deep	(18
	3		878C CECOTO		Suna		2					Z	ENGINEERS	E R S		<b>L</b> 2	4-18M	Σ

Width 7.0 P Width 7.0 P Width 1-10M	1000					210	111111111111111111111111111111111111111			100000000000000000000000000000000000000							
350 7 7	A 17411						Unifor	Uniformly Distributed Load	ributed	Load							
	(480 Ib/II)	10.5 KN/m (715 lb/ft)	KN/m lb/ft)	14.0 KN/m (955 lb/ft)	N/m VIII)	17.5 KN/m (1195 lb/lt)	N/m b/ft)	21.0 KN/m (1435 Ib/II)	M/m D/m)	24.5 KN/m (1675 lb/ft)	N/m b/ft)	28.0 KN/m (1915 lb/ft)	N/m b/ft)	31.5 KN/m (2155 lb/ft)	(N/m	35.0 KN/m (2395 lb/lt)	N/m b/ft)
-	om Stimup of End	Reinf.	Slimup End Dist.	Bottom Reinf.	Stirrup End Diet.	Bottom Reinf.	Stimup End Dist	Bottom Reinf.	Stirrup End Dist	Bottom Reinf.	Stimup End Dist.	Bottom Retrif.	Stirrup End Dist	Bottom Reinf.	Slimp End	Bottom Reinf.	Stirrup End Dist
	-	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 MC	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	(26")	1-10M	(26")
(5-0°) 1-10M	0 MC	1-10M	0	1-10M	0	1-10M	0	1-10M	(26")	1-10M	(26°)	1-10M	660 (26")	1-10M	(26")	1-10M	(26")
1800mm 1-10M (6'-0")	0 MC	1-10M	0	1-10M	(267)	1-10M	660 (26")	1-10M	660	1-15M	660	1-15M	660 (26")	1-15M	(26°)	1-15M	39.)
2400mm 1-10M	O MC	1-10M	660 (26")	1-15M	980	1-15M	990	1-15M	390	1-15M	990	1-20M	990	1-20M	990	1-20M	390
3000mm (10'-0")	SM 660 (26")	1-15M	390	1-15M	39.0	1-20M	1320 (527)	1-20M	1320 (52")	2-15M	1320	2-15M	1320 (52")	1-15M 1-20M	1320 (52")	1-15M 1-20M	1320
3600mm 1-15M		1-20M	1320	1-20M	1320	2-15M	1650	1-15M 1-20M	1650	1-15M 1-20M	1650			SSACON			
4200mm 1-20M	JM 1320	2-15M	1650	2-15M	1650	1-15M 1-20M	1980	1-10M 2-20M	1980				384	EUR		1	
4800mm 1-20M		1-15M	1980	2-20M	1980	1-15M 2-20M	(91")						inc∈	S. J. ADEMA	DEMA	HEER	
5400mm 2-15M	5M 1980 (78°)	2-20M	2310 (917)	1-15M 2-20M	2310									OCTOBER 30, 2015	30,2015)		
(20'-0") 1-20M	SM 2310 DM (91")	1-15M 2-20M	2640											Opmore of	100		
NOTES:  1. This table to be used in conjunction with the general notes and details located at the beginning of this sec 2. Stirrup Spacing = 330mm (13")	be used i tails locat ig = 330m	n conjuncted at the m (13")	tion with	h the general ng of this section.	section	17	Stirrup	All Stirrup End Distance measurements above are listed in mm (in)	stance isted i	n mm (i	n)	\$	1-10	The followin M + 1-15M 2-10M	g substituti may be sut	The following substitutions are permitted: (-10M + 1-15M may be substituted for 1-20M 2-10M may be substituted for 1-15M	1-20M 1-15M
C	© ELVI	INTEGRATED BUILDING TECHNOLOGY	BUILDII	NG TECHN	NOLOG	® X	`		Ta	Table Prepared by:	red by:				100 T 525i	100mm (4") Thick 525mm (21") Deep	1.0
			Βï	bunamg raiue	Value	0)				E	U Z	ENGINEE	E R S		٦,	4-21M	Σ

Opening							900	Illuifor	Uniformly Distributed Load	Linte	l Dep	5						
Width	7.0 KN/m (480 lb/ft)	LIM.	10.5 KN/m (715 lb/ft)	N/m	14.0 KN/m (955 lb/ft)	N/m o/ft)	17.5 KN/m (1195 lb/ft)	M/m D/ft)	21.0 KN/m (1435 lb/ft)	N/m b/ft)	24.5 KN/m (1675 lb/ft)	E G	28.0 KN/m (1915 lb/ft)	N/m b/ft)	31.5 KN/m (2155 lb/ft)	N/m lb/tt)	35.0 KN/m (2395 lb/ft)	N/m (p/ft)
	Bottom Reinf.	Stirrup End Dist.	Bottom Reinf.	Stirrup End Dist.	Bottom Reinf. Steel	Stimup End Dist.	Bottom Reinf.	Stirrup End Dist.	Bollom Reinf.	Stimp	Bottom Reinf. Steel	Strrup End Diet.	Bottom Reinf. Steel	Stirrup End	Bottom Reinf.	Stimp End Dist.	Bottom Reinf. Steel	Samp
900mm (3'-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
(4'-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 (5'-0")	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	760	1-15M	(30")	1-15M	760
1800mm (6'-0")	1-10M	0	1-10M	0	1-10M	0	1-10M	760	1-15M	760	1-15M	760	1-15M	(30")	1-15M	(307)	1-15M	760
2400mm (8'-0")	1-10M	0	1-15M	760 (30")	1-15M	760	1-15M	(307)	1-15M	1140 (45")	1-15M	1140 (45")	1-15M	1140 (45")	1-20M	1140	1-20M	1140
3000mm (10'-0")	1-15M	760	1-15M	760	1-15M	1140	1-15M	1140	1-20M	1140	1-20M	1140 (45")	2-15M	1520 (60")	2-15M	1520 (607)	2-15M	1520
3600mm (12'-0")	1-15M	1140 (45")	1-15M	1140 (45")	1-20M	1520 (60")	1-20M	1520 (60")	2-15M	1520 (60")	2-15M	1520 (60°)	1-15M 1-20M	1520 (60")	2-20M	1520	MOJESSION .	
4200mm (14'-0")	1-15M	1140 (45")	1-20M	1520 (60°)	2-15M	1520 (60°)	1-15M 1-20M	1900	1-15M 1-20M	1900	2-20M	1900				6	MA	8
4800mm (16'-0")	1-20M	1520 (80°)	2-15M	1900	1-15M 1-20M	1900	Z-20M	2280	1-10M 2-20M	(90")						Vaor	C I ADEM	NEE
5400mm (18'-0")	2-15M	1900	1-15M 1-20M	2280	2-20M	(90")	1-15M 2-20M	(90°)								-	OCTOBER 30, 2015,	1
6000mm (20'-0")	1-15M 1-20M	2280	2-20M	2280	1-15M 2-20M	2660												
NOTES: 1. This tal notes a	NOTES: 1. This table to be used in conjunction with notes and details located at the beginning	NOTES: 1. This table to be used in conju- notes and details located at the	conjunct d at the b	ion with		eral		Stirrup	All Stirrup End Distance measurements above are listed in mm (in)	istance listed ir	measu n mm (i	remer n)	ıts	4-10	The following M + 1-15M n 2-10M n	substitut nay be sut	The following substitutions are permitted. 1-10M + 1-15M may be substituted for 1-20M. 2-10M may be substituted for 1-15M.	1-20M











							22	5mm	225mm (9") Lintel Depth	Linte	l Dep	ŧ						
Opening								Unifor	Uniformly Distributed Load	ributed	Load							
MIDINA	7.0 KN/m (480 lb/ft)	EM)	10.5 KN/m (715 lb/ft)	D/ft)	14.0 KN/m (955 lb/ft)	CN/m b/ft)	17.5 KN/m (1195 lb/ft)	N/m b/ft)	21.0 KN/m (1435 lb/ft)	N/m b/ft)	24.5 KN/m (1675 lb/ft)	N/m D/ft)	28.0 KN/m (1915 lb/ft)	N/m b/ft)	31.5 KN/m (2155 lb/ft)	N/m Ib/ft)	35.0 KN/m (2395 lb/ft)	JN/m (b/ft)
	Bottom Reinf.	Stimp	Bottom Reinf.	Stirrup End Dist	Bottom Reinf.	Stirrup End Dist	Bottom Reinf.	Stimup End	Bottom Reinf.	Stirrup End Diet	Bottom Reinf.	Stimup End	Bottom Reinf.	Stirrup End	Bottom Reinf.	Stimup End Died.	Bottom Reinf.	Stimup End Dist
900mm (3'-0")	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	(8)	1-10M	204	1-10M	204
1200mm (4'-0")	1-10M	0	1-10M	0	1-10M	0	1-10M	204	1-15M	204	1-15M	306 (12")	1-15M	306 (12")	1-15M	408	1-15M	408
1500mm (5'-0")	1-10M	0	1-10M	0	1-15M	204	1-15M	306	1-15M	408	1-20M	408	1-20M	510 (20")	1-20M	510	2-15M	510
1800mm (6'-0")	1-15M	0	1-15M	204	1-15M	306 (127)	1-20M	510 (20°)	1-20M	510 (20")	2-15M	612 (24")						
2400mm (8'-0")	1-15M	204	1-20M	510 (20")	2-15M	612 (24")												
3000mm (10-0")	2-15M	510													SES PERSON	1		
3600mm (12'-0")														38V	CIR		1	
4200mm (14'-0")														Port	S. J. ADI MA	MA	EER	
4800mm (16'-0")														-	остовен 3	2015		
5400mm (18'-0")															WCE OF			
(20"-0")																\_		
1. This tal notes a	NOTES:  1. This table to be used in conjunction with the general notes and details located at the beginning of this section.  2. Stirrup Spacing = 102mm (4")	sed in locate	conjunct ed at the b	tion wit	h the gen	eral		Stirrup	All Stirrup End Distance measurements above are listed in mm (in)	stance	e measi in mm (	in)	ıts	1-10	The following M + 1-15M in 2-10M in	substitut nay be su nay be su	The following substitutions are permitted: 1-10M + 1-15M may be substituted for 1-20M 2-10M may be substituted for 1-15M	1-20M 1-15M
		N FZ	INTEGRATED BUILDING TECHNOLOGY  Building Value	Bull B	DING TECHNOLOGY Building Value	G TECHNOLOG	© \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\		E	Table Pr	Φ	Pared by	pared by:		1 0	150r T 225r D Table No.	150mm (6") Thick 225mm (9") Deep le No.	(6.)
							ī				•	) ,	<b>→</b>	1		_	- 0-9IVI	5

							300	mm	300mm (12") Lintel Depth	Lint	el Der	oth.						
Opening								Unifor	Uniformly Distributed Load	tributed	Load							
unbiaa	7.0 KN/m (480 lb/ft)	N/m b/ft)	10.5 KN/m (715 lb/ft)	N/m v/ft)	14.0 KN/m (955 lb/ft)	N/m s/ft)	17.5 KN/m (1195 lb/ft)	N/m b/ft)	21.0 KN/m (1435 lb/ft)	N/m lb/ft)	24.5 KN/m (1675 lb/ft)	N/m Ib/ft)	28.0 KN/m (1915 lb/ft)	(N/m)	31.5 KN/m (2155 lb/ft)	(N/m	35.0 KN/m (2395 lb/ft)	N/m Ib/ft)
	Bottom Reinf.	Stirrup End Dist	Bottom Reinf.	Stirrup End	Bottom Reinf.	Stirrup End Dist.	Bottom Reint.	Stimup End Dist	Bottom Reinf.	Silmup End	Bottom Reinf.	Strrup End	Bottom Reinf.	Stimup End	Bottom Reinf.	Stimup End Dist	Bottom Reinf.	Samp End Dist
900mm (3'-0')	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	304	1-10M	304	1-10M	304 (12")	1-10M	304	1-10M	304
1200mm (4'-0")	1-10M	0	1-10M	0	1-10M	304	1-10M	304	1-10M	456 (18")	1-10M	456 (18")	1-10M	456 (18")	1-15M	456 (18")	1-15M	456 (187)
1500mm (5'-0")	1-10M	0	W01-1	304	1-10M	456 (18")	1-15M	456 (18")	1-15M	608	1-15M	608 (24")	1-15M	608	1-15M	608	1-20M	(24")
1800mm (6'-0")	1-10M	304	1-10M	456	1-15M	608	1-15M	608	1-15M	760	1-20M	760	1-20M	760	1-20M	760	2-15M	760
2400mm (8'-0")	1-15M	608	1-15M	(30")	1-20M	912	1-20M	912 (36")	2-15M	1064 (42")	1-15M 1-20M	1064 (42")	1-15M 1-20M	1064 (42")				
3000mm (10'-0")	1-20M	(36")	1-20M	1064	2-15M	1216 (48")	2-20M	1216 (48")						1	Iss you	1		
3600mm (12'-0")	2-15M	1216 (48")	1-15M 1-20M	1368										ত্র	1018	X	1	
4200mm (14'-0")	1-15M 1-20M	1520 (60°)												rıc⊊	S. J. ADSMA		WEER	
4800mm (16'-0")														~	OCTOBER 30, 2015	Q102.00	1	
5400mm (18'-0")															No. of Contract	100		
6000mm (20'-0")																1		
NOTES: 1. This tal notes a 2. Stimp (	NOTES: 1. This table to be used in conjunction with the general notes and details located at the beginning of this section 2. Stirrup Spacing = 152mm (6")	s locate 152mm	conjunct d at the b (6")	ion with	h the general ng of this sec	eral		Stirrup	All Stirrup End Distance measurements above are listed in mm (in)	istanc	e measi in mm (	uremei in)	nts	1-10	The following substitutions are permitted: 1-10M + 1-15M may be substituted for 1-20M 2-10M may be substituted for 1-15M	g substitut may be sui may be sui	ons are per ostituted for ostituted for	1-20M 1-15M
							œ			F	Table Prepared by:	ared by:		•		15	150mm (6") Thick	("9
	(E)	INTEC	GRATED I	BUILDI	INTEGRATED BUILDING TECHNOLOGY  D. 174	INOLO	<b>1</b> 6 ∘		T	IAC	5		Z	4		Table No.	Sudmm (12.) Deep	( )
				Ì	Dunaing Vaine	ממ	ń					U Z	ENGINEERS	ERS		Ĺ	_ 6-12M	Σ

							375	mm	375mm (15") Lintel Depth	Lint	el Der	맞						
Opening							No.	Unifor	Uniformly Distributed Load	ributec	Load							
Width	7.0 KN/m (480 lb/ft)	m/v Office	10.5 KN/m (715 lb/ft)	M/m (II/o	14.0 KN/m (955 lb/ft)	N/m CIL/C	17.5 KN/m (1195 lb/ft)	N/m (b/ft)	21.0 KN/m (1435 lb/ft)	N/m b/ft)	24.5 KN/m (1675 lb/ft)	N/m D/ft)	28.0 KN/m (1915 lb/ft)	CN/m Ib/ft)	31,5 KN/m (2155 lb/ft)	N/m Ib/ft)	35.0 KN/m (2395 lb/ft)	N/m b/ft)
	Bottom Reinf.	Stirup End Dist.	Bottom Reinf. Steel	Stimup End Dist.	Bottom Reinf. Steel	Stimup End Dist.	Bottom Reinf.	Stimup End Dist.	Bottom Rein!	Stimup End Died	Bottom Reinf. Steel	Stimup End Dist	Bottom Reinf.	Stimup End Dest.	Reinf. Steel	Stirrup End Dist	Bottom Reinf.	Strrup End Dist.
900mm (3'-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	406 (16")
1200mm (4'-0")	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	408	1-10M	406	1-15M	408	1-15M	406	1-15M	406 (16")
1500mm (5'-0")	1-10M	0	1-10M	0	1-10M	406 (16")	1-15M	406	1-15M	406	1-15M	609	1-15M	(24")	1-15M	609	1-15M	609
1800mm (6'-0")	1-10M	0	1-15M	406 (16")	1-15M	406	1-15M	609	1-15M	609	1-15M	609	1-15M	812 (32")	1-15M	812 (327)	1-20M	812 (327)
2400mm (8'-0")	1-15M	406	1-15M	609 (24")	1-15M	609 (24")	1-20M	812 (32")	1-20M	1015	1-20M	1015	2-15M	1015 (40")	2-15M	1015	1-15M 1-20M	1015
3000mm (10'-0")	1-15M	609	1-20M	1015	1-20M	1015	2-15M	1218 (48")	1-15M	1218 (48")	1-15M	1218 (487)	2-20M	1421	1-10M 2-20M	1421		
3600mm (12:-0")	1-20M	1015	2-15M	1218 (48")	1-15M	1421	Z-20M	1421	1-10M 2-20M	1624					Jano 1	SO.	/	
4200mm (14'-0")	2-15M	1218 (48")	1-15M 1-20M	1624 (64")	1-10M 2-20M	1624									3	3	To the second	1
4800mm (16'-0")	1-15M 1-20M	1624 (64")	1-10M 2-20M	1827											 3017	S. J. ADEMA	NEER	
5400mm (18'-0")	1-10M 2-20M	1827													ОСТО	остоевя 30, 2016	~	
6000mm (20'-0")															Jan.		102	
NOTES: 1, This tak notes at 2, Stirrup 8	NOTES: 1. This table to be used in conjunction with the general notes and details located at the beginning of this sec. 2. Stirrup Spacing = 203mm (8")	locate 203mm	conjunct d at the b	ion with	h the general ng of this section.	eral		Stirrup	All Stirrup End Distance measurements above are listed in mm (in)	stance	e measi in mm (i	in)	nts	1:10	The followin 2-10M r	g substituti may be sub	The following substitutions are permitted: 1-10M + 1-15M may be substituted for 1-20M 2-10M may be substituted for 1-15M	1-15M
	e	INTEG	INTEGRATED BUILDING TECHNOLOGY  Ruilding Value	Name of the second seco	NG TECHN	NOLOG	© 35			T <sub>B</sub>	Table Prepared by	red by:	$\sum$	A		150 T 375r D	150mm (6") Thick 375mm (15") Deep Peep	5")
Ţ				3	Danaing Farae	337	<i>u</i>				E	U Z	ENGINEE	E R S		Le	6-15M	Σ

							450	mm	450mm (18") Lintel Depth	Lint	al Dep	th						
Opening								Unifor	Uniformly Distributed Load	ributed	Load							
Midin	7.0 KN/m (480 lb/ft)	N/m b/ft)	10.5 KN/m (715 lb/ft)	DVfm Dvft)	14.0 KN/m (955 lb/ft)	N/m vft)	17.5 KN/m (1195 lb/ft)	N/m b/ft)	21.0 KN/m (1435 lb/ft)	N/m b/ft)	24.5 KN/m (1675 lb/ft)	M/m D/ft)	28.0 KN/m (1915 lb/ft)	N/m b/ft)	31.5 KN/m (2155 lb/ft)	CN/m Ib/ft)	35.0 KN/m (2395 lb/ft)	N/m b/ft)
	Bottom Reinf.	Stirrup End Dist	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stirrup End Dist	Bottom Reinf.	Stimup End Dest	Bottom Reinf.	Stirrup End Diet.	Bottom Reinf. Steel	Stimup End Dist.	Bottom Reinf.	Stimp End Dist.	Bottom Reinf.	Stimup. End Dies.	Reinf. Steel	Stimp End Dist.
900mm (3'-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 (4'-0")	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	508	1-15M	508
1500mm (5'-0")	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	508 (20")	1-15M	508	1-15M	508	1-15M	(20%)	1-15M	508
1800mm (6'-0")	1-10M	0	1-10M	0	1-15M	0	1-15M	508 (20°)	1-15M	20,0	1-15M	508	1-15M	762 (30°)	1-15M	762	1-15M	762
2400mm (8'-0")	1-15M	0	1-15M	508	1-15M	762 (307)	1-15M	762 (307)	1-15M	762	1-20M	1016 (40")	1-20M	1016 (40")	1-20M	1016	2-15M	1016 (40")
3000mm (10'-0")	1-15M	508 (20°)	1-15M	762	1-20M	1016 (40°)	1-20M	1016 (407)	2-15M	1270 (50")	2-15M	1270 (50")	1-10M 2-15M	1270 (50")	1-15M 1-20M	1270 (50")	2-20M	1270 (50")
3600mm (12'-0")	1-15M	(30")	1-20M	1016 (40")	2-15M	1270 (50°)	1-15M 1-20M	1524 (60")	1-15M 1-20M	1524 (60")	2-20M	1524 (60")	1-10M 2-20M	1524 (60")	1-15M 2-20M	1524	Moissan	1
4200mm (14'-0")	1-20M	1270 (50°)	2-15M	1524 (60°)	1-15M 1-20M	1524 (607)	2-20M	1778	1-15M 2-20M	1778	3-20M	1778				(S	13/0	
4800mm (16:-0")	Z-15M	1524 (60°)	1-15M 1-20M	(707)	1-10M 2-20M	1778	3-20M	2032 (80°)								TCE!	S I ADEM	NEER
5400mm (18'-0")	1-15M 1-20M	(707)	1-10M 2-20M	2032 (80")	1-10M 3-20M	2286 (90")										2	OCTOBER 30, 2015,	~
(20'-0")	1-10M 2-20M	2032 (80")	3-20M	(90")												200		
NOTES: 1. This ta notes a 2. Stimp	NOTES: 1. This table to be used in conjunction with the general notes and details located at the beginning of this section 2. Stirrup Spacing = 254mm (10")	s locate 254mm	conjunct d at the b	tion with	h the general ng of this sec	section		Stirrup	All Stirrup End Distance measurements above are listed in mm (in)	istance listed i	e measu in mm (i	iremer n)	tt t	1-10	The followin M + 1-15M r 2-10M r	g substituti may be sut	The following substitutions are permitted: 1-10M + 1-15M may be substituted for 1-20M 2-10M may be substituted for 1-15M	1-15M
							(C)			Ta	Table Prepared by:	red by:		•		15	150mm (6") Thick	("8
	e	INTEG	INTEGRATED BUILDING TECHNOLOGY Ruilding Value	BUILDIN	LDING TECHNOLOGY	NOLOG	<b>■ </b>	-	7	IAC	5		$\sum_{i}$	4		Table No.	Deep .	0
ļ				ğ	Sunna							S Z	ENGINEERS	E R S		L	6-18M	Σ

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		N/m b/ft)	Samp End Dec	0	0	(26")	(267)	390	1320 (52")	1650		6	SIN	EEA	A STATE OF	£ 5
		35.0 KN/m (2395 lb/ft)	Reinf. Steel	1-10M	1-10M	1-15M	1-15M	1-20M	1-15M 1-20M	1-10M 2-20M	+	OVESSION	1184	S. J. ADEM	A BGTS STR PARTIS	150mm (6") Thick 525mm (21") Deep le No.
		N/m b/ft)	Samp End Dist	0	0	(26")	660	390	1320 (52")	1650 (65")	1980	1	No.	ric	THE STATE OF THE S	150 T 525 Table No.
		31.5 KN/m (2155 lb/ft)	Bottom Reinf. Steel	1-10M	1-10M	1-15M	1-15M	1-20M	2-15M	2-20M	3-20M				The following aut 1-10M + 1-15M may 2-10M may	
		A/m)	Stimup End Dist.	0	0	0	(26")	990	1320 (52")	1650 (65")	1980				T-10/4	<b>4</b> 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
		28.0 KN/m (1915 lb/ft)	Bottom Reinf.	1-10M	1-10M	1-15M	1-15M	1-20M	2-15M	2-20M	1-15M 2-20M				ıts	S S S S S S S S S S S S S S S S S S S
£		Wm)	Stirrup End Dist.	0	0	0	(26")	990	1320 (52")	1650	1650	1980			remer n)	ed by:
ol Dep	Load	24.5 KN/m (1675 Ib/ft)	Bottom Rainf.	1-10M	1-10M	1-10M	1-15M	1-15M	2-15M	1-15M 1-20M	1-10M 2-20M	1-10M 3-20M			All Stirrup End Distance measurements above are listed in mm (in)	Table Prepared by:
Linte	ributed	V/m b/ft)	Stirrup End Dist.	0	0	0	(267)	(26")	990	1320 (527)	1650	1980			stance isted i	Tal
525mm (21") Lintel Depth	Uniformly Distributed Load	21.0 KN/m (1435 lb/ft)	Bottom Roinf.	1-10M	1-10M	1-10M	1-15M	1-15M	1-20M	2-15M	2-20M	1-15M 2-20M			End Di	
mm	Unifor	V/m b/ft)	Stimup End Dist	0	0	0	0	(26")	980	1320 (52")	1650	1980	2310 (91")		abo	
525		17.5 KN/m (1195 lb/ft)	Bottom Reinf. Streel	1-10M	1-10M	1-10M	1-15M	1-15M	1-20M	Z-15M	1-15M 1-20M	1-10M 2-20M	3-20M			(e) }
		VIII)	Stimup End Dist.	0	0	0	0	(26")	980	1320 (527)	1650	1980	1980	(91")	general this section	NOLOG
	100	14.0 KN/m (955 lb/ft)	Bottom Reinf. Steel	1-10M	1-10M	1-10M	1-10M	1-15M	1-15M	1-20M	2-15M	2-20M	1-10M 2-20M	1-10M 3-20M		INTEGRATED BUILDING TECHNOLOGY  Building Value
		V/m	Samp	0	0	0	0	0	(26")	990	1320 (52")	1650	1980	(917)	on with eginnin	D BUILDIN
	ľ	(715 Ib/ft)	Bottom Reinf.	1-10M	1-10M	1-10M	1-10M	1-15M	1-15M	1-20M	2-15M	1-15M 1-20M	2-20M	1-10M 2-20M	conjuncti d at the b (13")	RATED B
		/m/	Stirrup End Dist.	0	0	0	0	0	0	(26")	39")	1320	1650	1980	sed in c located	INTEG
		7.0 KN/m (480 lb/ft)	Bottom Reinf. Steel	1-10M	1-10M	1-10M	1-10M	1-10M	1-15M	1-15M	1-20M	1-20M	2-15M	1-10M 2-15M	NOTES: 1. This table to be used in conjunction with the notes and details located at the beginning of 2. Stirrup Spacing = 330mm (13")	©
	Width			900mm (3'-0")	1200mm (4'-0")	1500mm (5'-0")	1800mm (6'-0")	2400mm (8'-0")	3000mm (10'-0")	3600mm (12:-0")	4200mm (14'-0")	4800mm (16'-0')	5400mm (18'-0")	6000mm (20'-0")	NOTES: 1. This tabl notes an 2. Stirrup S	

							909	mm	600mm (24") Lintel Depth	Lint	el Dep	th						
Opening								Unifor	Jniformly Distributed Load	tributed	Load							
Width	7.0 KN/m (480 lb/ft)	MA SAR)	10.5 KN/m (715 lb/ft)	N/m	14.0 KN/m (955 lb/ft)	N/m	17.5 KN/m (1195 lb/ft)	N/m (b/ft)	21.0 KN/m (1435 lb/ft)	N/m b/ft)	24.5 KN/m (1675 lb/ft)	N/m b/ft)	28.0 KN/m (1915 lb/ft)	N/m b/ft)	31.5 KN/m (2155 lb/ft)	DVM Ib/ft)	35.0 KN/m (2395 lb/ft)	N/m lb/ft)
	Bottom Reinf.	Stirrup End Dist	Bottom Reinf.	Stimp End Dist.	Bottom Reinf.	Stimp End Dist.	Bottom Reinf.	Stirrup End Dist	Bottom Reinf.	Stimp End Dist.	Reinf. Steel	Sfrrup End Dest	Bottom Reinf.	Stimp	Bottom Reinf.	Stirrup End Dist	Bottom Reinf.	Samp End Det
(3:-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 (4'-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 (5'-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
1800mm (6'-0")	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	760	1-15M	760	1-15M	(30°)
2400mm (8'-0")	1-10M	0	1-15M	0	1-15M	0	1-15M	760	1-15M	760	1-15M	760	1-15M	760	1-20M	1140	1-20M	1140
3000mm (10-0")	1-15M	0	1-15M	760	1-15M	760	1-15M	1140	1-20M	1140	1-20M	1140	1-20M	1140	2-15M	1140	2-15M	1140
3600mm (12:-0")	1-15M	0	1-15M.	(30.)	1-20M	1140	1-20M	1140	2-15M	1520 (60")	2-15M	1520 (60")	1-15M 1-20M	1520 (60")	1-15M 1-20M	1520 (60")	2-20M	1520
4200mm (14'-0")	1-15M	760 (30")	1-20M	1140	2-15M	1520 (607)	2-15M	1520 (60")	1-15M 1-20M	1520 (60")	2-20M	1900 (75")	1-10M 2-20M	1900 (75")	1-15M 2-20M	1900	1-15M 2-20M	1900
4800mm (16'-0")	1-20M	1140	2-15M	1520 (60")	1-15M 1-20M	1900	2-20M	1900	1-10M 2-20M	1900	1-15M 2-20M	1900	3-20M	2280		1	SSION	
5400mm (18'-0")	2-15M	1520 (60")	1-15M 1-20M	1900	2-20M	1900	1-15M 2-20M	2280	3-20M	2280					30		3	1361
(200")	1-15M 1-20M	1900	2-20M	(90°)	1-15M 2-20M	(907)	1-10M 3-20M	2660 (1057)					1		FICE		S. J. ADEMA	MEER
1. This tal notes a 2. Stirrup	NOTES:  1. This table to be used in conjunction with the general notes and details located at the beginning of this section 2. Stirrup Spacing = 380mm (15")	s locate	conjuncti d at the b (15")	ion with	h the gen	section		Stirrug	All Stirrup End Distance measurements above are listed in mm (in)	istanc	e meast in mm (i	in)	ıts	-1-1	The following M + 1-15M 2-10M	A STATE OF THE STA	The following screenings pornitrol. 1-10M + 1-15M digy is a substituted for Polymer 2-10M No. 1995 September 10 CE OF ON The Polymer 10 CE OF ON T	SW
	© C	INTEGRAT	RATED B		INTEGRATED BUILDING TECHNOLOGY  Building Value	Value	@	-	$\frac{1}{2}$	Tal	Table Prepared by:	od by:		<b>1</b>		150 T 600 Table No.	150mm (6") Thick 600mm (24") Deep o No.	£ 4
											<u>п</u>	ا ق ا	ENGINEE	KS		L	6-24M	Σ

Committee   Comm								22	Smm	225mm (9") Lintel Depth	Linte	I Dep	£						
7.0 KW/W   10.5 KW/W   14.0 KW/W   17.0 KW/W   23.6	Opening								Unifor	mly Dist	ributed	Load					ľ		
Harden   Barden   B	Width	7.0 Kh	A/m S/ff)	10.5 K	(N/m	14.0 K	CN/m b/ft)	17.5 K	N/m b/ft)	21.0 K	N/m b/ft)	24.5 K	N/m b/ft)	28.0 K	D/m (b/ft)	31.51	CN/m	35.0 K	N/m Ib/ft)
1-10M 0 1-10M 0 1-10M 0 1-10M 0 1-10M 0 1-10M 0 1-15M		Reinf. Steel	Stimup End Dist	Bottom Reinf.	Stirrup End Diet	Bottom Reinf.	Stirup End Dist	Bottom Retruf.	Stimp End Dist	Bottom Reinf.	Signup End Dist.	Battom Reinf.	Stimup End Dist	Reinf. Steel	Stirrup End Dist	Reinf.	Samup End Diet	Bottom Reint.	Stimp End Dist
1-10M   0   1-15M   0   1-15	(3'-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   1-15	1200mm (4'-0")	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	204	1-15M	204	1-15M	306 (12")	1-15M	306
1-15M   0   1-15M   204   1-20M   306   1-20M   408   2-15M   510   1-15M   647   2-20M   714   1-20M   714   1-	1500mm (5'-0")	1-10M	0	1-15M	0	1.15M	0	1-15M	0	1-15M	204	1-20M	306	1-20M	408	1-20M	408 (16")	2-15M	408
1-15M   0   1-20M   306   1-15M   612   2-20M   714   1-15M   612   1-15M   612   1-15M   612   1-20M   714   1-15M	1800mm (6'-0")	1-15M	0	1-15M	0	1-15M	204	1-20M	306	1-20M	408	2-15M	510	2-15M	510	1-15M 1-20M	612 (24")	1-15M 1-20M	612 (247)
2-15M (207) 2-15M (207) 2-15M (207) 2-15M (207) 3 2-15M (207) 3 2-15M (207) 4 3-10	2400mm (8'-0")	1-15M	0	1-20M	306 (12")	2-15M	510 (20")	1-15M 1-20M	612 (24")	2-20M	714 (28")								
able to be used in conjunction with the general and details located at the beginning of this section.  P Spacing = 102mm (4")  Table Prepared by:  Table Prepared by:  Building Value  E N G I N E E	3000mm (10'-0")	2-15M	204	1-15M 1-20M	612 (24")											Se Ses	13		
table to be used in conjunction with the general sand details located at the beginning of this section.  P Spacing = 102mm (4")  Table Prepared by:  Building Value  The section above are listed in mm (in)  Table Prepared by:  Table Prepared by:  Table Prepared by:  Building Value	3600mm (12'-0")	2-15M	510 (20")												M.	100	1	1	
Table to be used in conjunction with the general stand details located at the beginning of this section.  P Spacing = 102mm (4")  INTEGRATED BUILDING TECHNOLOGY  Building Value  Building Value	4200mm (14'-0")														NEW		1	L	
table to be used in conjunction with the general spacing and details located at the beginning of this section.  P Spacing = 102mm (4")  Table Prepared by.  Building Value  Building Value	4800mm (16'-0")														1	S. J. AD	C MIR	B	
sand details located at the beginning of this section.  P Spacing = 102mm (4")  Table Prepared by:  Building Value  The beginning of this section.  Table Prepared by:  Building Value	5400mm (18'-0")														250	)	7	/	
able to be used in conjunction with the general and details located at the beginning of this section.  P Spacing = 102mm (4")  Table Prepared by:  INTEGRATED BUILDING TECHNOLOGY  Building Value  E.N. G.I.N. E.E.	8000mm (20'-0")															VCE OF	1		
INTEGRATED BUILDING TECHNOLOGY  Building Value  F. N. G. I. N. E. R. S.  Tab	This ta notes Stirrup	and details Spacing =	s locate	conjunct of at the b	tion wit	h the gen ng of this	eral		Stirrup	End D	istanc	e measi in mm (	uremer in)	ıts	01-1	The followin M + 1-15M 2-10M	ng substitut may be su may be su	ions are per bstituted for bstituted for	1-20M 1-15M
		G	INTEG	SRATED	BULDI	NG TECH	Nolog INOLOG	© \\ \( \frac{\partial}{2} \)				0	ared by.			1	20 22, Table I	Johnn ( Thick 25mm ( Deep	(1.6

							300	mm	300mm (12") Lintel Depth	Ling	el Deg	th						
Opening							1	Unifor	Uniformly Distributed Load	tributed	Load						ĺ	
Width	7.0 KN/m (480 lb/ft)	E/M	10.5 KN/m (715 lb/ft)	N/m p/ft)	14.0 KN/m (955 lb/ft)	N/m	17.5 KN/m (1195 lb/ft)	N/m b/ft)	21.0 KN/m (1435 lb/ft)	N/m b/ff)	24.5 KN/m (1675 lb/ft)	N/m D/ft)	28.0 KN/m (1915 lb/ft)	N/m b/ft)	31.5 KN/m (2155 lb/ft)	N/m b/ft)	35.0 KN/m (2395 lb/ft)	N/m b/ft)
	Bottom Rainf.	Stirrup End	Bottom Reinf.	Stimp	Bottom Reinf.	Stimp End Dist.	Bottom Reinf.	Stirrup End Dist	Bottom Reinf.	Stimup End	Bottom Reinf.	Stimp	Bottom Reinf.	Stimup End Diet	Bollom Reinf.	Simup End Dest	Boltom Reint.	Simp
(30")	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	304	1-10M	304
1200mm (4'-0")	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	304 (12")	1-15M	304 (12")	1-15M	304	1-15M	456 (18")	1-15M	456 (18")
1500mm (5'-0")	1-10M	0	1-10M	0	W51-1	304	1-15M	304 (12")	1-15M	456 (18")	1-15M	456 (18")	1-15M	456 (18")	1-15M	608	1-15M	608
1800mm (6'-0")	1-10M	0	W51-1	304	1-15M	456 (181)	1-15M	456 (18")	1-15M	608	1-20M	608	1-20M	608	1-20M	760	1-20M	760
2400mm (8'-0")	1-15M	304	1-15M	608	1-20M	30")	1-20M	760	2-15M	912	2-15M	912 (36")	1-15M 1-20M	912 (36")	2-20M	1064 (42")	2-20M	1064
3000mm (10'-0")	1-20M	608	1-20M	912 (36")	2-15M	1064 (42")	1-15M 1-20M	1064 (42")	2-20M	1216 (48")	1-10M 2-20M	1216 (48")			- dec	1		
3600mm (12:-0")	Z-15M	912	1-15M 1-20M	1216 (48")	2-20M	1368	1-15M 2-20M	1368						No				
4200mm (14'-0")	1-15M 1-20M	1216 (48")	1-10M 2-20M	1520 (60")										N/J:	DETER	9	1	,
4800mm (16'-0")	1-10M 2-20M	1520 (60")												17	S. J. ADEMA	AM		
5400mm (18'-0")														300	COTORERS	033	_	
(20:-0")		I													WCE OF	1		
NOTES: 1. This tal notes a 2. Stirrup	NOTES:  1. This table to be used in conjunction with the general notes and details located at the beginning of this section 2. Stirrup Spacing = 152mm (6")	s locate	conjunct d at the b (6")	ion with	h the general of this	section		Stirrup	All Stirrup End Distance measurements above are listed in mm (in)	istance	e meast	in)	nts	01-1	The following substitutions are permitted: 1-10M + 1-15M may be substituted for 1-20M 2-10M may be substituted for 1-15M	substituti nay be sub	stituted for stituted for	1-20M 1-15M
							(e)		E	Ta	Table Prepared by:	red by:		<	-	300	200mm (8") Thick 300mm (12")	23
	) (ii)	INTEC	SRATED I	BUILDII	INTEGRATED BUILDING TECHNOLOGY  Ravilding Value	NOLOC	16 0		IAC		)		MA			Table No.	Deep lo.	
					Sana		<u>.</u>				i I	C Z	ENGINEERS	E R S		٣	L 8-12M	Σ

Committee								375	mm	375mm (15") Lintel Depth	Lint	el Dep	竎						
Total burn   Tot	Opening								Unifor	mly Dist	ributed	Load							
Biological Bloom   Biological	WIGH	7.0 KN	Mm Svff)	10,5 K	CN/m b/ft)	14.0 K	N/m b/ft)	17.5 K	N/m b/ft)	21.0 K	N/m b/ft)	24.5 K	N/m b/ft)	28,0 K	N/m b/ft)	31.5 K	N/m b/ft)	35.0 K (2395)	N/m b/ft)
1-10M   0   1-10		Bottom Reinf.	Stirrup End Dist.	Bottom Reinf. Steel	Stimp End Dist.	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf.	Stimup End Dest	Bottom Reinf.	Stimup End Dist.	Bottom Reinf.	Stimup End Diet.	Bottom Reinf.	Stimup End Dist.	Bottom Reinf. Steel	Stimup End Dist.	Bottom Reinf Steel	Stirrup End Dist.
1-15M   0   1-15M   0   1-15M   0   1-15M   0   1-15M   406   1-15M	900mm (3'-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
1-15M   0   1-10M   0   1-10M   0   1-15M   0   1-15M   406   1-15M	1200mm (4'-0")	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	406 (16")	1-15M	406 (16")	1-15M	406 (16")
1-15M   0   1-15	1500mm (5'-0")	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	406 (167)	1-15M	406 (16°)	1-15M	406 (16")	1-15M	406 (16°)	1-15M	609
1-15M   0   1-15M   608   1-20M   612   1-20M   1-20M   612   1-20M   612   1-20M   612   1-20M   612   1-20M   1-20M   612   1-20M   612   1-20M   612   1-20M   612   1-20M	1800mm (6'-0")	1-10M	0	1-15M	0	1-15M	0	1-15M	406 (16")	1-15M	406	1-15M	609	1-15M	609	1-15M	(24")	1-20M	609
1-15M   456   1-20M   609   1-20M   612   1-15M   1015   1-10M   1015   1-15M   1015   1-10M	2400mm (8'-0")	1-15M	0	1-15M	406	1-15M	609	1-20M	812 (32")	1-20M	812 (327)	1-20M	812 (32")	2-15M	1015 (40")	2-15M	1015	1-15M 1-20M	1015 (40")
800mm 1-20M (327 2-15M 1015 1-15M 1218 2-20M 1421 1-15M 1421 3-20M 1627 3-20M (667 2-20M	3000mm (10'-0")	1-15M	406 (16")	1-20M	609	1-20M	812 (32")	2-15M	1015 (40°)	1-15M 1-20M	1015	1-15M 1-20M	1218 (48")	2-20M	1218 (48")	1-10M 2-20M	1218 (48°)	1-10M 2-20M	1218 (48")
200mm 1-15M 1015 1-15M 1421 1-15M 1624 1-10M 1629 1-20M (647) 3-20M (647)	3600mm (12'-0")	1-20M	(32")	2-15M	1015	200	1218 (487)	2-20M	1421	1-10M 2-20M	1421	1-15M 2-20M	1421	3-20M	1624 (64")	1	PESSIO	1	
1-15M   1421   1-10M   1624   3-20M   1827   1-10M   1624   3-20M   1827   1-20M   1624   3-20M   1627   1-20M   1624   1-20M   1624   1-20M   1624   1-20M	4200mm (14'-0")	2-15M	1015	1-15M 1-20M	1421	1-10M 2-20M	1421	1-15M 2-20M	1624	1-10M 3-20M	1624					1	187	1	1
400mm 1-10M 1624 3-20M (647) 2030 Corposers 18-07 (647) 2-20M (647) 2-20M (647) 2-20M (647) 2030mm (647) 203-07 (647) 203-	4800mm (16'-0")	1-15M 1-20M	1421 (56")	1-10M 2-20M	1624 (64")	3-20M	1827										I. ADEM		
Occupation with the general and details located at the beginning of this section. Stirrup End Distance measurements and details located at the beginning of this section. Stirrup Spacing = 203mm (8")  Table Prepared by:  Table Prepared by:  Building Value  ENGINEERS  Table	5400mm (18:-0")	1-10M 2-20M	1624 (64")	3-20M	2030 (807)											18	OBER 30. 2	100	
This table to be used in conjunction with the general notes and details located at the beginning of this section.  Stirrup End Distance measurements  All Stirrup End Distance measurements  above are listed in mm (in)  Table Prepared by.  Table Prepared by.  Building Value  ENGINEERS  Table  Table  Table  Table  Table Prepared by.	(20'-0")															M. C.		Sal.	
INTEGRATED BUILDING TECHNOLOGY  Building Value  ENGINEERS  Table	NOTES: 1. This tal notes a	ble to be und details	s locate 203mm	conjunct d at the t	tion wit	h the gen	eral		Stirrup	End Di	stance listed i	n mm (i	iremer in)	ıts	1-10	The following V + 1-15M n 2-10M n	ay be sub	stituted for stituted for	-20M -15M
Building Value  ENGINEERS  ENGINEERS				5	D	5		©			Tat	ole Prepar	.kq pa.		<		375	Dmm (8 Thick imm (1	(2)
		©	INTEG	SRATED I	BUILDII Bu	NG TECH tilding	Value	<u>}</u>		11					ERS	_	Table No	Deep 3-151	>

Company   Comp								450	mm	450mm (18") Lintel Depth	Lint	el Dep	ţ						
Total barn   Tot	Opening								Unifor	mly Dist	ributed	Load							
Books   Book	unbiva	7,0 KI	N/m b/ft)	10.5 K	N/m b/ft)	14.0 K	N/m n/ft)	17.5 K	N/m b/ft)	21.0 K	N/m b/ft)	24.5 K	N/m b/ft)	28.0 K	N/m Ib/ft)	31.5 k	(N/m)	35.0 K	N/m b/ft)
Comparison   Com		Bottom Reinf.	Stirrup End Dist	Bottom Reinf.	Stirrup End Dist	Bottom Reint.	Stirrup End	Bottom Reinf.	Stimup End Dist	Bottom Reinf.	Stirrup End Diet.	Bottom Reinf.	Stirrup End Dist.	Bottom Reinf.	Strup	Bottom Reinf.	Stimup End Dist.	Bottom Reinf.	Stimup End Dist.
1-10M   0   1-10	(3,-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
1-15M   0   1-15	1200mm (4'-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	1-15M	0
8900mm 1-150M 60 1-150M 60 1-150M 60 1-150M 600 1-150M	1500mm (5'-0")	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	508	1-15M	508	1-15M	508 (20")
1-15M   0   1-15M   508   1-15M   508   1-15M   508   1-15M   509   1-15M	1800mm (6'-0")	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	508 (20")	1-15M	508 (20")	1-15M	508	1-15M	508 (20")	1-15M	508 (20")
1-15M   1-15	2400mm (8'-0")	1-15M	0	1-15M	0	1-15M	508 (20°)	1-15M	508 (207)	1-15M	762 (30")	1-20M	762 (30")	1-20M	762 (30")	1-20M	1016 (40")	2-15M	1016 (40")
Solution   1-15M   508   1-20M   782   2-15M   1524   1-15M   1524   1-15M   1524   3-20M   1524   1-15M   1524   3-20M   1520   2-20M   1520   1-20M   1524   1-15M   1524   1-10M   1778   1-15M   1524   1-10M   1778   1-15M   1	3000mm (10'-0")	1-15M	0	1-15M	508	1-20M	762 (30°)	1-20M	1016 (407)	2-15M	1016 (40")	2-15M	1016 (40")	1-15M 1-20M	1270 (50°)	1-15M 1-20M	1270 (50")	2-20M	1270 (50")
200mm 1-20M 762 2-15M 1270 1-15M 1572 2-20M 1524 1-10M 1524 3-20M 707) 3-20M 707 3-20M	3600mm (12'-0")	1-15M	508	1-20M	762 (30")	2-15M	1016 (40°)	1-15M	1270	1-15M 1-20M	1270 (50")	2-20M	1524 (60")	1-10M 2-20M	1524 (60")	1-15M 2-20M	1524	3-20M	1524 (60")
1-15M   1270   1-15M   1524   1-10M   1778   1-15M   1778   1-10M   2032	4200mm (14"-0")	1-20M	762	2-15M	1270 (507)	1-15M 1-20M	1270	2-20M	1524 (60")	1-10M 2-20M	1524 (60")	3-20M	1778	1-10M 3-20M	1778	A		STOWER	
400mm 1-15M 1524 1-10M 1778 3-20M (80°) 2032 18-0°) 2-20M (70°) 3-20M (70°) 3-20M (70°) 2-20M (70°) 3-20M (70°) 3-	4800mm (16'-0")	2-15M	1270	1-15M 1-20M	1524 (607)	1-10M 2-20M	1778	1-15M 2-20M	1778	1-10M 3-20M	2032 (80")					SNA		1	LIN
0000mm 1-10M 1778 3-20M (80°) 22-20M (70°) 3-20M (80°) 20-0°) 22-20M (70°) 3-20M (70°) 3-20M (80°) 3-2	5400mm (18'-0")	1-15M 1-20M	1524 (60")	1-10M 2-20M	1778	3-20M	2032 (80")									рП	S. J. (		ER
OTES: This table to be used in conjunction with the general notes and details located at the beginning of this section.  Stirrup Spacing = 254mm (10")  Stirrup Spacing = 254mm (10")  Table Prepared by:  Building Value  ENGINEERS	(20'-0")	1-10M 2-20M	(70")	3-20M	2032 (80°)											80			1
INTEGRATED BUILDING TECHNOLOGY  Building Value  ENGINEERS  L		ble to be i ind details Spacing =	s locate 254mm	conjunct d at the b (10")	tion with	h the gen	section		Stirrup	End Di	stance	e meası in mm (i	in)	ıts	1-10	The followin M + 1-15M 2-10M	may be su	sprs@it per contact for battured for	1-20M 1-15M
INTEGRATED BUILDING TECHNOLOGY  Building Value  ENGINEERS				5	「る	5		œ	`		Tal	ble Prepar	red by:		<		20 45	Omm (8 Thick Omm (1	( 6
		© C	INTEG	RATED E	Bu Bu	ilding	NOLOG	<u> </u>		17					R S		Table N	Deep 3-18	>

Company   Comp								525	mm	525mm (21") Lintel Depth	Lint	el Dep	ફ						
7.0 KNAM   7.0 KNAM   7.0 KNAM   7.0 KNAM   7.15 KNAM   7.15 KNAM   7.0 KNA	Opening			0.00		1000			Unifor	mly Dist	ributed	Load							
Bellon   B	MIGIN	7.0 KN (480 lb	Witt)	10.5 K	CN/m b/ft)	14.0 K (955 lt	N/m off)	17.5 K	N/m b/ft)	21.0 K	N/m b/ft)	24.5 KI (1675 II	N/m b/ft)	28.0 KP	E/H	31.5 KI (21551	N/m b/ft)	35.0 K (2395)	N/m b/ft)
1-10M   0   1-10		Bottom Reinf.	Stirrup	Bottom Reinf.	Stirrup End Dist.	Bottom Reint.	Shrup End Dist	Bottom Reinf.	Stimup End Dest	Bottom Reinf.	Stimup End Dist.	Bottom Reinf.	Stirup End Diet.	Bottom Reinf.	Stirrup End Diet	Bottom Reinf.	Stimup End Dist.	Bottom Reinf.	Stirrup End Dist.
1-10M   0   1-10	900mm (3'-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   1-10	1200mm (4'-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
1-15M   0   1-15	1500mm (5'-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   1-15	1800mm (6'-0')	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	(267)	1-15M	(26")	1-15M	660 (26")
1-15M   0   1-15M   0   1-20M   860   1-20M   890   2-15M   890   2-15M   890   2-15M   890   2-15M   890   1-20M   890   1-20	2400mm (8'-0")	1-10M	0	1-15M	0	1-15M	0	1-15M	(26")	1-20M	(26")	1-20M	(26")	1-20M	(267)	1-20M	980	1-20M	990
1-15M   1-15M   0   1-20M   660   1-20M   390   2-15M   320   1-15M   1320   2-20M   1320   1-10M   1320   2-20M   1320   1-10M   1520   1-10M	3000mm (10'-0")	1-15M	0	1-15M	0	1-20M	(26°)	1-20M	39.	1-20M	980	2-15M	990 (38.)	2-15M	990	2-15M	1320 (52")	1-15M 1-20M	1320 (52")
1-20M   680   2-15M   1320   1-15M   1320   2-20M   1650   1-10M   1650   1-10M	3600mm (12'-0")	1-15M	0	1-20M	(26")	1-20M	390	2-15M	990	2-15M	1320 (52")	1-15M 1-20M	1320 (52")	2-20M	1320 (527)	2-20M	1320 (52")	1-10M 2-20M	1650 (65")
1-15M   1320   1-20M   1650   1-10M   1650   1-15M   1890   3-20M   1787   3-20M   1890   3-20	4200mm (14'-0")	1-20M	(26")	2-15M	390	2-15M	1320 (527)	1-15M 1-20M	1320	2-20M	1650 (65")	1-10M 2-20M	1650 (65")	1-15M 2-20M	1650 (657)	3-20M	1650 (65")	1-10M 3-20M	1980
1320 2-20M 1657 1-10M 1980 3-2000mm 1-15M 1657 1-10M 1980 3-2000mm 1-15M 1657 2-20M (78°) 3-200 (78°) 3-200 (78°) 3-200 (78°) 3-200 (91°)	4800mm (16'-0")	2-15M	(38.)	1-15M 1-20M	1320	2-20M	1650 (857)	1-10M 2-20M	1650	1-15M 2-20M	1980	3-20M	1980	SS TOWN	Town or				
200mm 1-15M 1650 1-10M 1980 3-20M (310) 20-0-) 1-20M (657) 2-20M (781)  This table to be used in conjunction with the general notes and details located at the beginning of this section. Stirrup Spacing = 330mm (13")  INTEGRATED BUILDING TECHNOLOGY  Building Value	5400mm (18'-0")	2-15M	1320 (527)	2-20M	1650	1-10M 2-20M	1980 (787)	3-20M	1980 (78")				SN	COLK	8	Jan	1		
This table to be used in conjunction with the general notes and details located at the beginning of this section. Slirup Spacing = 330mm (13")	(20'-0")	1-15M 1-20M	1650 (65")	1-10M 2-20M	1980	3-20M	2310 (917)						דוכן	S. J. AD	34	EER			
INTEGRATED BUILDING TECHNOLOGY  Building Value  ENGINEERS  Table  Table  Table  Table	NOTES: 1, This tal notes a 2, Stirrup	ble to be u nd details Spacing = (	locate 330mm	conjunct d at the b	tion with	h the gen	section		Stirrup	End Di	istance listed i	n mm (i	n)	COTOBER 3	O. 2018	The following 0+1-15M m 2-10M m	substituti	stituted for stituted for	-20M -15M
INTEGRATED BUILDING TECHNOLOGY  Building Value  ENGINEERS											Ta	ble Prepar	red by:				20	Omm (8 Thick	(
ENGINEERS		©	INTEG	RATED E	BUILDII	NG TECH	NOLOG	<b>1</b> ≥ 1	-	$\mathcal{I}$				>	<		525	imm (2 Deep	1,
					Dr	nama	Maria	2)				Ħ	U Z	I N E	E S		L	3-21	Σ

Victor   V								909	600mm	(24")	Lint	(24") Lintel Depth	th						
Control   Cont	Opening						Ĭ		Unifor	mly Dis	tributed	Load							
Since   Sinc	UIDIAA	7.0 KP	E/W	10.5 K	CN/m	14.0 K	DAY:	17.5 K	N/m b/tt)	21.0 K	N/m Ib/fi	24.5 K	N/m D/ft)	28.0 K	N/m D/ff)	31.5 K	(N/m)	35.0 KI	A/m o/ft)
1-10M   0   1-10M   1900   1-10M   1900		Bottom Reinf.	Stimp	Bottom Reinf.	Stimp	Bottom Reinf.	Stirrup End Dist.	Bottom Reint.	Stimup End Dest	Bottom Reinf.	Stimp	Bottom Reinf.	Stirrup End Diet	Bottom Reinf.	Stimup End Diet	Reinf. Steel	Stirup End Dist	Bottom Reinf.	Stirrup End Dist.
1-10M   0   1-15M   0   0   1-15M   0   0   1-15M   0   0   0   0   0   0   0   0   0	900mm (3'-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   1-15M   0   1-15	(4'-0")	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	o	1-10M	0
1-10M   0   1-10M   0   1-10M   0   1-10M   0   1-15M   0   0   0   0   0   0   0   0   0	1500mm (5'-0")	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	o	1-15M	0
1-15M   0   1-15M   0   1-15M   0   1-15M   0   1-15M   0   1-15M   760   1-20M   76	(6'-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	1-15M	0
1-15M   0   1-15M   0   1-20M   780   1-20	2400mm (8'-0")	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	(30°)	1-20M	760	1-20M	760	1-20M	(30")	1-20M	(30")
1-20M   0   1-20M   0   1-20M   780   1-20	3000mm (10'-0")	1-15M	0	1-15M	0	1-20M	0	1-20M	(30°)	1-20M	760	1-20M	1140 (45")	1-20M	1140 (45°)	2-15M	1140 (45")	2-15M	1140 (45")
1-20M   1-20M   1-20M   1450   1-15M   1520   1-15M   1520   1-15M   1520   1-10M   1520   1-20M   1520   1-10M   1-15M   1520   1-10M   1520   1-10M   1520   1-10M   1520   1-10M   1-15M   1520   1-10M   1-15M   1520   1-10M   1-15M   1-10M   1-15M   1-10M   1-15M   1-10M   1-15M   1-10M   1-15M   1-10M   1-1	3600mm (12:-0")	1-20M	0	1-20M	760	1-20M	760	1-20M	1140	2-15M	1140	2-15M	1140 (45")	1-15M 1-20M	1520 (60°)	1-15M 1-20M	1520 (60")	2-20M	1520 (60")
1-20M   760   2-15M   1520   1-15M   1520   1-15M   1607   2-20M   1607   2-20M   1757   2-20M   1757   3-20M   1757   3-20M	4200mm (14'-0")	1-20M	0	1-20M	1140	2-15M	1140 (45)	1-15M 1-20M	1520 (60")	1-15M 1-20M	1520 (60")	2-20M	1520 (80")	1-10M 2-20M	1520 (60°)	1-10M 2-20M	1900 (75")	1-15M 2-20M	1900 (75")
1450   1-15M   1460   1-15M   1500   1-15M   1900   1-10M   1900   3-20M   1900   3-20M   1900   3-20M   1900   3-20M   1900   3-20M   1900   3-20M   1900   1-15M   1900   1-15M   1900   1-15M   1900   3-20M   1900	4800mm (16'-0")	1-20M	760	2-15M	1520 (60")	1-15M 1-20M	1520 (80")	2-20M	1520 (60")	1-10M 2-20M	1900 (75")	1-15M 2-20M	1900 (75")	3-20M	1900 (75")	1-10M 3-20M		more ssic	1
1-15M   1520   2-20M   1900   1-15M   1900   3-20M   1900   1	5400mm (18'-0")	2-15M	1140	1-15M 1-20M	1520 (60")	2-20M	1900	1-10M 2-20M	1900	3-20M	(90")	1-10M 3-20M	(90")				000	MIRL	X
This table to be used in conjunction with the general above are listed in mm (in)  Stirrup Spacing = 380mm (15")  The following s bestit above are listed in mm (in)  2-10M + 1-15M may be above are listed in mm (in)  Table Prepared by:	(20'-0")	1-15M 1-20M	1520 (60")	2-20M	1900	1-15M 2-20M	1900	3-20M	2280 (90")								V3OI		3
Table Prepared by:	NOTES: 1, This tal notes a	ble to be und details	s locate 380mm	conjunct of at the b	tion with	h the gen ng of this	eral		Stirrup	End D	istanc	e meast in mm (	in)	ŧ.	-101-1	The following M + 1-15M n 2-10M n	naybeesumay Destin	Shilles for	DA I
	•							<u> </u>			Tal	ble Prepar	ed by:				20	Omm (8 Thick	•





Deep Table No. L 8-24M

Companies   Comp								22	Smm	225mm (9") Lintel Depth	Linte	I Dep	th						
70 KWm   70 KWm   72 KWm   7	Opening								Unifor	mly Dist	tributed	Load		ľ		ŀ			
Beston   Strain   S	Width	7.0 KI (480 II	N/m b/ft)	10.5 K	(N/m	14.0 K	CN/m b/ft)	17.5 K	N/m b/ft)	21.0 K	N/m Ib/ff)	24.5 K	N/m b/ft)	28.0 K	N/m b/ft)	31.51	(N/m	35.0 K	N/m Ib/ft)
1-10M   0   1-10M   0   1-10M   0   1-10M   0   1-10M   0   1-15M   0   1-15		Bottom Rainf.	Surup End Diet	Bottom Reinf. Steel	Stimup End Dist.	Bottom Reinf.	Stimp End Dist.	Bottom Reinf.	Stirrup End Diet	Bottom Reinf.	Stimp End Dist	Bottom Reinf.	Sfirmp End Dist	Bottom Reinf. Steel	Simup End Diet	Bottom Reinf.	Stirrup End Dist	Bottom Reinf.	Strup End Det
1-10M   0   1-15M   0   1-15	900mm (3'-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   1-15M   0   1-15M	1200mm (4'-0")	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	204	1-15M	(87)
1-15M   0   1-15M   0   1-15M   0   1-20M   0   1-20	1500mm (5'-0")	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	0	1-20M	204	1-20M	306 (12")	1-20M	306 (12")	1-20M	408
1-15M   1-15	1800mm (6'-0")	1-15M	0	1-15M	0	1-15M	0	1-20M	0	1-20M	306 (12")	2-15M	306 (12")	2-15M	408	1-15M 1-20M	510 (207)	1-15M 1-20M	510 (207)
1-15M   24-7   1-15M   24-7   1-15M   12-7   1-15M   12-7   1-15M   12-7   1-20M   1-20	2400mm (8'-0")	1-15M	0	1-20M	0	2-15M	306 (12")	1-15M 1-20M	408	2-20M	612 (24")	1-10M 2-20M	612 (24")						
900mm 1-15M 204 1-2-07 1-200M (8°) 1-2-08 1-200M (8°) 1-2-09 200mm 14-07 200mm 14-07 200mm 14-07 200mm 14-07 200mm 18-07 200mm	3000mm (10'-0")	2-15M	0	1-15M 1-20M	306 (12")	1-10M 2-20M	612 (24")									SSAM	1		
200mm 14-07 200mm 16-07 100mm 18-07 18-08	3600mm (12'-0")	1-15M 1-20M	204												No	900	X	1	
900mm 16:00) 100mm 20:00) 20:00) TES: This table to be used in conjunction with the general notes and details located at the beginning of this section. Stirrup Spacing = 102mm (4") Stirrup Spacing = 102mm (4")  Table Prepared by.  Building Value  ENGINEE	4200mm (14'-0")														CEV	44.00	9	MALES	
1000m	4800mm (16'-0")														1	3, 3, AD	- 1	R	
20-0-7) OTES: This table to be used in conjunction with the general notes and details located at the beginning of this section. Stirrup Spacing = 102mm (4")  Table Prepared by:  Building Value  E N G I N E E	5400mm (18'-0")														SEC.		1		
This table to be used in conjunction with the general notes and details located at the beginning of this section.  Stirrup Spacing = 102mm (4")  Stirrup End Distance measurements above are listed in mm (in)  Table Prepared by:  Ruilding Value  ENGINEE	(20°-0")															VCE OF	1		
INTEGRATED BUILDING TECHNOLOGY  Building Value  ENGINEERS  Table Prepared by:  Table P	1. This ta notes a 2. Stimp	ble to be und details	used in s locate 102mm	conjunct ed at the t	tion wit beginni	h the gen ng of this	eral		Stirrup	o End Di	istance	e meast n mm (i	in)	str	1-10	The followir M + 1-15M 2-10M	g substitut may be su may be su	ions are per bstituted for bstituted for	1-20M 1-15M
INTEGRATED BUILDING TECHNOLOGY  Building Value  ENGINEERS					U	5		©			F <	able Prepa	ared by:		<		25	Omm (1 Thick 25mm (	0")
			INTÉ	GRATED	BUILD,	ING TECH	Walu Valu	GY 6		71			U Z	Z	ERS	1.0	Table	Deep 10-9	Σ

							300	mm	(12")	Lint	300mm (12") Lintel Depth	th						
Opening								Unifor	Uniformly Distributed Load	tributed	Load							
MIGH	7.0 KN/m (480 lb/ft)	N/m b/ft)	10.5 KN/m (715 lb/ft)	D/m)	14.0 KN/m (955 lb/ft)	N/m b/ft)	17.5 KN/m (1195 lb/lt)	N/m b/ft)	21.0 KN/m (1435 lb/ft)	CN/m (b/ft)	24.5 KN/m (1675 lb/ft)	N/m b/ft)	28.0 KN/m (1915 lb/ft)	N/m b/ft)	31.5 KN/m (2155 lb/ft)	N/m Ib/ft)	35.0 KN/m (2395 Ib/It)	IN/HI
	Bottom Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stimp End Dist.	Bottom Reint. Steel	Stimup End Dist.	Bottom Reint. Steel	Strrup End Dist	Bottom Reinf.	Stimp End Dist	Bottom Reint. Steel	Stirrup End Dist.	Bottom Reint. Steel	Strrup End Dist.	Bottom Reinf. Steel	Stimp End Dist.	Reinf. Steel	Stimp End Dist
(3'-0')	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-10M	o	1-10M	0
1200mm (4'-0")	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	304 (12")	1-15M	304 (12")	1-15M	304 (12")	1-15M	304
1500mm (5'-0")	1-10M	0	1-10M	0	1-15M	0	1-15M	304 (12")	1-15M	304 (12")	1-15M	456 (18")	1-15M	456 (18")	1-15M	456 (18")	1-15M	456
1800mm (6'-0")	1-15M	0	1-15M	0	1-15M	304	1-15M	456 (18")	1-15M	456 (18")	1-20M	608 (24")	1-20M	608 (24")	1-20M	608 (24")	1-20M	608
2400mm (8'-0")	1-15M	0	1-15M	456 (18")	1-20M	608	1-20M	760	2-15M	(30")	2-15M	912 (36")	1-15M 1-20M	912 (36")	1-15M 1-20M	912 (36")	2-20M	912
3000mm (10'-0")	1-20M	456 (18")	1-20M	760	2-15M	912 (36")	1-15M 1-20M	1064 (427)	2-20M	1064	1-10M 2-20M	1216 (48")	1-15M 2-20M	1216 (48°)	3-20M	1216 (48")		
3600mm (12'-0")	Z-15M	(30")	1-15M 1-20M	1064	2-20M	1216 (48")	1-15M 2-20M	1368	3-20M	1368					The same	SSION	,	
4200mm (14'-0")	1-15M 1-20M	1064	1-10M 2-20M	1368	3-20M	1520								_	25	3	ENGIL	1
4800mm (16'-0")	1-10M 2-20M	1368												POF	S. J.	ADEMA	EER	
5400mm (18'-0")															OCTOB	остовен 30, 2015		
(20:-01)															ON SOME	100		
NOTES: 1. This ta notes a 2. Stimp	NOTES:  1. This table to be used in conjunction with the general notes and details located at the beginning of this section.  2. Stirrup Spacing = 152mm (6")	s locate 152mm	conjunct d at the t (6")	tion with	h the gen ng of this	eral		Stirrup	End D	istance listed i	All Stirrup End Distance measurements above are listed in mm (in)	in)	ıts	1-10	The following substitutions are permitted: 1-10M + 1-15M may be substituted for 1-20M 2-10M may be substituted for 1-15M	substitution nay be sub	following substitutions are permitted: 1-15M may be substituted for 1-20M 2-10M may be substituted for 1-15M	1-20M 1-15M
							@			Tal	Table Prepared by:	red by:				250	250mm (10") Thick	("0
	© C	INTEG	NTEGRATED BUILD	BUILDII	INTEGRATED BUILDING TECHNOLOGY	NOLOGY							7	4		300r	300mm (12") Deep	2")
				Da	bunamg value	Varue					E	D Z	ENGINEERS	E R S		-	10-12M	Σ

14.0 KN/m								37	<b>Smm</b>	375mm (15") Lintel Depth	Lint	el De	oth						
1.50 kNum	Opening								Unifo	rmly Dis	tributed	Load							111
Secondary   Seco		7.0 K	N/m b/ft)	10.5 K	CN/m b/ft)	14.0 P	CN/m b/ft)	17.51	(IVIII)	21.0 K	(N/m)	24.5 K	(N/m Ib/ft)	28.0 k	(N/m	31.5	KN/m Ib/ft)	35.0 KN/m (2395 lb/ft)	
1-10M   0   1-15M   0   1-15		Bottom Reinf. Steel	Stirrup End Dest	Bottom Reinf.	Stimup End Dist.		Stimup End Diet.	Bottom Reinf.	Strrup End Dist.	Sollom Reinf.	Stirup End Dist.	Bottom Reinf. Steel	Stirrup End Dist	Bottom Reinf. Steel	Stirrup End Dist	Reinf.	Stimp End Dist.	Bottom Reinf. Steel	
1-15M   0   1-15	900mm (3'-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	
1-15M   0   1-15M   0   1-15M   406   1-15M   407   1-15M   407   1-15M   407   1-15M   407   1-15M   407   1-10M   407   1-20M   407   1-20	1200mm (4'-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	100
Fig.   0   1-15M   0   0   1-15M   0   0   0   0   0   0   0   0   0	1500mm (5'-0")	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	406 (16")	1-15M	406 (16")	1-15M	406 (16")	1-15M	1
Second   S	1800mm (6'-0')	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	406	1-15M	406 (16")	1-15M	609	1-15M	609	1-20M	(24")
1-20M   609   1-20M   627   2-15M   612   1-15M   1015   1-15M   1015   2-20M   1218   1-10M   1421   2-20M   148"   2-20M   148"   2-20M   148"   2-20M   148"   2-20M   148"   2-20M   148"   1-10M   1421   1-10M   1-10M	2400mm (8'-0")	1-15M	0	1-15M	0	1-15M	406	1-20M	(24")	1-20M	609	1-20M	812 (32")	2-15M	812 (32")	2-15M	812 (32")	1-15M 1-20M	1015
Same	3000mm (10'-0")	1-15M	0	1-20M	609	1-20M	812 (327)	Z-15M	812 (32")	1-15M 1-20M	1015	1-15M 1-20M	1015 (40")	2-20M	1218 (48")	2-20M	1218 (48")	1-10M 2-20M	1218 (48")
Suilding Value   Suil	3600mm (12:-0")	1-20M	406	2-15M	812	1-15M	1015	2-20M	1218 (48")	1-10M 2-20M	1218 (48")	1-15M 2-20M	1421	3-20M	1421	1-10M 3-20M	1421	Selon Selon	1
1627 3-20M 1624 641)  1827	4200mm (14'-0")	Z-15M	812 (327)	1-15M 1-20M	1218	2-20M	1421	1-15M 2-20M	1421	3-20M	1624 (64")						N.	25. IAN	0
unction with the general above are listed in mm (in)  Table Prepared by:  Table Prepared by:  Table No.  Table No.	4800mm (16'-0")	1-15M 1-20M	1015	1-10M 2-20M	1421	3-20M	1624										Na.	1200	0
unction with the general above are listed in mm (in) above are listed in mm (in)  Table Prepared by:  Building Value	5400mm (18'-0")	1-10M 2-20M	1421	3-20M	1827													J. ADEMA	
unction with the general above are listed in mm (in) above are listed in mm (in) above are listed in mm (in)  Table Prepared by:  ED BUILDING TECHNOLOGY  Building Value	6000mm (20'-0")																BRO		169
INTEGRATED BUILDING TECHNOLOGY  Railding Value  Table N  Table N  Table N  Table N	NOTES: 1. This tal notes a 2. Stirrup 3	ole to be indicated and details	used in s locate 203mm	conjunct d at the b	tion with	n the ger	neral s section	13.	Stirrup	o End D	istanc	e meas in mm (	ureme in)	uts	01-1	The followin M + 1-15M 2-10M	ng substrommay be su	CE OF OF DISTILLED FOR BSHILLING FOR	1886
INTEGRATED BUILDING TECHNOLOGY  Building Value  Table											Tal	ble Prepa	red by:				250	Omm (1 Thick	6
		(6)	INTEG	RATED E		NG TECH	NOLOC	<b>1</b> ≿ •	-	17				7	4		Table No	Deep Oeep	0

Opening Width         7.0 KN/m (480 lb/m)         10.5 KN/m (715 lb/m)         14.0 KN/m (955 lb/m)         17.5 KN/m (1435 lb/m)         24.5 KN/m (1675 lb/m)         24.5 KN/m (1675 lb/m)           8000mm Silmap Bestlem Silmap Bottom Silmap Bottom Silmap Bottom Silmap Bottom Silmap Bestlem Silmap Bottom Silmap Botto	28.0 KN/m   31.5 KN/m   35.0 KN/m   35.0 KN/m   35.0 KN/m   (1915 lb/ft)   (2155 lb/ft)   (2395 lb/ft)   (239
7.0 KN/m         10.5 KN/m         14.0 KN/m         17.5 KN/m         21.0 KN/m         24.5 KN/m <th< th=""><th>28.0 KN/m 31.5 KN/m (1915 lb/ft) (2155 lb/ft) (2165 lb/ft</th></th<>	28.0 KN/m 31.5 KN/m (1915 lb/ft) (2155 lb/ft) (2165 lb/ft
Bottom         Stirrup Steel         Bottom Dist.         Stirrup End.         Bottom Reinf.         Stirrup End.         Bottom Steel         Stirrup Dist.         Bottom Dist.         Stirrup Steel         Bottom Dist.         Stirrup Dist.         Bottom Dist.         Stirrup Dist.         Bottom Dist.         Stirrup Steel         Bottom Dist.         Stirrup Steel         Bottom Dist.         Stirrup Dist.         Bottom Dist.         Stirrup Dist.         Bottom Dist.         Stirrup Steel         Bottom Dist.         Stirrup Dist.         Bottom Dist.         Stirrup Dist.         Bottom Dist.         Stirrup Dist.         Bottom Dist.         Dist.         Bottom Dist.         Bottom Dist.         Dist.         Bottom Dist.         Bottom Dist.         Bottom Dist.         Dist.         Bottom Dist.         Dist.         Bottom Dist.         Dist.         Dist	Bottom Stirrup Bultom Stirrup BR Reinf. End Reinf. End R Statel Dist. Steel Dist. S
1-10M 0 1-10M 1-10M 0 1-15M 1-15M 0 1-15M 0 1-15M 0 1-15M 0 1-15M 0 1-15M 1-20M 1-20	2000
1-10M         0         1-15M         0         1-15M </td <td>M01-1 0 M01-1 0 M01-1</td>	M01-1 0 M01-1 0 M01-1
1-10M         0         1-10M         0         1-10M         0         1-15M         0         1-15M </td <td>M21-1 0 M01-1 0 M01-1</td>	M21-1 0 M01-1 0 M01-1
1-10M         0         1-16M         0         1-15M         0         1-20M         508         1-20M         1-2	MS1-1 0 MS1-1 0 MS1-1
1-15M 0 1-15M 0 1-15M 0 1-15M 508 1-20M 508 1-20M (20°) 1-20M (20°) 1-20M (20°) 1-20M 1-20M 1-20M (20°) 1-20M (20°) 2-15M (30°) 2-15M 1-20M (40°) 1-20M (40°) 1-20M (50°) 2-20M	1-15M 508 1-20M 508 1-20M
1-15M 0 1-20M 0 1-20M (20°) 1-20M (30°) 2-15M (30°) 2-15M (30°) 1-20M (40°) 1-20M (40°) 1-20M (40°) 1-20M (40°) 1-20M (50°) 2-20M	1-20M 762 1-20M 762 2-15M
1-20M 0 1-20M 762 2-15M 1016 1-15M 1016 1-15M 1270 2-20M	16 1-15M 1016 1-15M 1016 2-20M
	1-10M 1270 1-15M 1524 2-20M (50") 2-20M (60")
1-20M 508 2-15M 1016 1-15M 1270 2-20M 1270 1-10M 1524 1-15M (20") 2-20M (60") 2-20M	3-20M 1778 1778
2-15M (30") 1-20M (50") 2-20M (60") 2-20M (70") 3-20M (70")	
1-15M 1270 1-10M 1524 3-20M 1778	S. J. RDEMA
1 1-10M 1524 3-20M 1778	OCTOBER 30, 2015
table to be used in conjunctions and details located at the be	The following a Carlific s gib. ferritted: 1-10M + 1-15M may be supstituted for 1-15M may be substituted for 1-15M

1							525	mm	525mm (21") Lintel Depth	Lint	el De	th						ì
Opening	No. of Street, or other Persons and Street, o						100	Unifor	Uniformly Distributed Load	tributed	Load						200	
	7.0 KN/m (480 lb/ft)	N/m N/E)	10.5 KN/m (715 lb/ft)	CN/m b/ft)	14.0 KN/m (955 lb/ft)	.0 KN/m 55 lb/ft)	17.5 KN/m (1195 lb/ft)	N/m b/ft)	21.0 KN/m (1435 lb/ft)	(N/m)	24.5 KN/m (1675 lb/ft)	N/m Ib/ft)	28.0 KN/m (1915 lb/ft)	(D/ft)	31.5 KN/m (2155 lb/ft)	(N/m Ib/ft)	35.0 KN/m (2395 lb/ft)	N/m b/ft)
	Bottom Reinf. Steel	Strrup End Dist	Reinf. Steel	Stimp End Dist.	Bottom Reinf. Stael	Stirrup End Dist.	Bottom Reinf. Steel	Strup End Died	Battom Reinf. Steel	Stimup End Dist.	Bottom Reinf. Steel	Stimp	Bottom Reinf. Steel	Strup End Dist	Bottom Reinf. Steel	Stimp End Dist	Bottom Reinf. Steel	Stirrup End Dist
(3'-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 (4'-0")	1-10M	D	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 (5'-0")	1-10M	D	1-10M	0	1-10M	0	1-10M	0	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	0
1800mm (6'-0")	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	(26°)
2400mm (8'-0")	1-15M	0	1-15M	0	1-15M	0	1-15M	0	1-20M	0	1-20M	(26")	1-20M	(26")	1-20M	(26")	1-20M	(26°)
3000mm (10'-0")	1-15M	0	1-20M	0	1-20M	0	1-20M	(26")	1-20M	(26")	2-15M	990	2-15M	390	2-15M	(38.)	1-15M 1-20M	(38.)
3600mm (12'-0")	1-20M	0	1-20M	0	1-20M	(26")	2-15M	(38,)	2-15M	(38,)	1-15M 1-20M	1320 (52")	2-20M	1320 (52")	2-20M	1320 (52")	1-10M 2-20M	1320 (52")
4200mm (14'-0")	1-20M	0	2-15M	660 (26")	2-15M	39.0	1-15M 1-20M	1320 (52")	2-20M	1320 (52")	1-10M 2-20M	1650 (65")	1-15M 2-20M	1650 (65")	3-20M	1650	1-10M	1650
4800mm (16'-0")	2-15M	660 (26")	1-15M 1-20M	990	2-20M	1320	1-10M 2-20M	1650	1-15M 2-20M	1650	3-20M	1980 (78")	1-10M 3-20M	1980	ì		SSION	
5400mm (18'-0")	1-15M	990	2-20M	1320	1-10M 2-20M	1650	3-20M	1980	1-10M 3-20M	1980					SNI	9	9	J.FilN
6000mm (20'-0")	2-20M	1320	1-10M 2-20M	1650	3-20M	1980									pri	1000	S. J. ADEMA	ER
NOTES: 1. This tab notes ar 2. Stirrup S	NOTES:  1. This table to be used in conjunction with the notes and details located at the beginning of Spirrup Spacing = 330mm (13")	sed in locate	conjunct d at the b (13")	tion with		general this section.	F.	Stirrup	All Stirrup End Distance measurements above are listed in mm (in)	istanc	e measi in mm (	rreme in)	stu	1-10	The follower W + 1-15M 2-10M I		The following substitutions are serviced to the following the constitution of the substitution (see ) from 1-10M Have single-bottoms (see ) from 15 of the bottom (see ) from 15 of the bottom (see ) from 1-15 of the see )	SOM SOM -15M
	©	INTEGRAT	RATED I	ED BUILDII	INTEGRATED BUILDING TECHNOLOGY  Building Value	NOLOG INOLOG	© > 5				Table Prepared by	ired by:				250r T 525r C Table No.	250mm (10") Thick 525mm (21") Deep le No.	(° (°
											i I	り Z	ENGINEERS	E K		_	10-21M	≥

							009	mm	600mm (24") Lintel Depth	Lint	el Der	th						
Opening								Unifor	Uniformly Distributed Load	tributed	Load						1	
Width	7.0 KN/m (480 lb/ft)	N/m b/ft)	10.5 KN/m (715 lb/ft)	N/m	14.0 KN/m (955 lb/ft)	N/m	17.5 KN/m (1195 lb/ft)	N/m b/ft)	21.0 KN/m (1435 lb/ft)	ON/m Ib/ft)	24.5 KN/m (1675 lb/ft)	N/m b/ft)	28.0 KN/m (1915 lb/lt)	N/m Ib/ft)	31.5 KN/m (2155 Ib/ft)	(N/m (b/ft)	35.0 KN/m (2395 lb/ft)	Ib/II)
	Bottom Reinf.	Stimp End Diet	Bottom Reinf. Steel	Stimp	Bottom Reinf.	Stirrup End Diet	Bottom Reinf. Steel	Stimup End Dist.	Bottom Reinf.	Stirrup End Dist	Bottom Reinf.	Stimp End Dist.	Reinf. Steel	Stirrup End Dist.	Bottom Reinf. Steel	Stimp End Dist.	Reinf. Steel	Stimp End Dist.
900mm (3'-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 (4'-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 (5'-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
1800mm (6'-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	1-15M	0
2400mm (8'-0")	1-10M	0	1-15M	0	1-15M	0	1-15M	0	1-15M	0	1-20M	0	1-20M	(30°)	1-20M	760	1-20M	(30°)
3000mm (10'-0")	1-15M	0	1-15M	0	1-20M	0	1-20M	o	1-20M	760	1-20M	760	2-15M	(30°)	2-15M	1140	2-15M	1140
3600mm (12'-0')	1-20M	0	1-20M	0	1-20M	760	1-20M	760	2-15M	1140	2-15M	1140	1-15M 1-20M	1140	1-15M 1-20M	1140	2-20M	1520
4200mm (14'-0")	1-20M	0	1-20M	760	2-15M	(30°)	1-15M 1-20M	1140 (457)	1-15M 1-20M	1140 (45")	2-20M	1520 (60")	1-10M 2-20M	1520 (60")	1-10M 2-20M	1520 (60")	1-15M 2-20M	1520
4800mm (16'-0")	1-20M	0	2-15M	(30°)	1-15M 1-20M	1140 (45°)	2-20M	1520 (60°)	1-10M 2-20M	1520 (60")	1-15M 2-20M	1900 (75")	3-20M	1900 (75")	1-10M 3-20M	1900	4-20M	1900
5400mm (18'-0")	2-15M	760	1-15M 1-20M	1140	2-20M	1520 (607)	1-15M 2-20M	1900	3-20M	1900	1-10M 3-20M	1900	4-20M	2280		1	SSIONE	/
6000mm (20'-0")	1-15M 1-20M	1140 (45")	2-20M	1520 (607)	1-15M 2-20M	1900	3-20M	1900 (75")	4-20M	2280 (90")					SNB	9	1	GINE
NOTES: 1. This tal notes a 2. Stirrup (	NOTES: 1. This table to be used in conjunction with the general notes and details located at the beginning of this section. 2. Stirrup Spacing = 380mm (15")	used in s locate 380mm	conjuncti d at the b	lon with reginnin	h the general ng of this sec	section	100	Stirrup	All Stirrup End Distance measurements above are listed in mm (in)	istanc	e meası in mm (i	uremei in)	str	1-10	The following N+1-1-M 2-10M	g subsinhr	The following substitutions like permitted for 1-20M + 1-10M may be substitutionally of 5.1 M M - 1-20M May be substitutionally of 5.1 M M - 1-20M	E 22.50
			A LEGISTATE WILLIAMS TECHNOLOGY	ה ה			@			Tal	Table Prepared by:	red by:	>			250	250mm (10") Thick 600mm (24")	0")
	œ			Bu	Building Value	Value			71				ENGINEERS	E R S		Table No	10-24M	₹