



LOTT'S CONCRETE
4" PRECAST LINTEL
LOAD TABLES

SK-1

11/02/23

Florida Engineering Solutions, Inc. - Certificate of Authorization No. 26300 - P.O. Box 1238, San Antonio, Florida 33576 - Ph: 352/588-5311

General Notes:

Codes

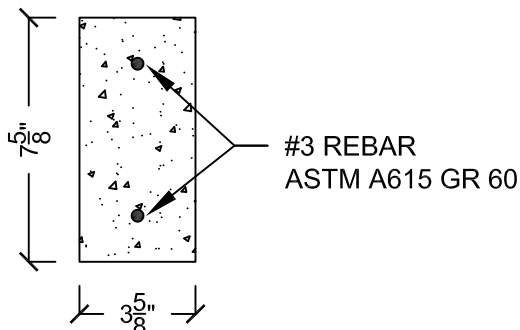
- * Florida Building Code Eighth Edition (2023)
- * ASCE 7 - 22
- * ACI 318 - 19

Concrete

- * Precast Lintels - 4,000 psi

Reinforcement

- * Rebar Placed in Precast - ASTM A615 Gr 60



4" LINTEL ALLOWABLE LOAD TABLE (LBS / FT)

OVERALL LENGTH	GRAVITY	UPLIFT	LATERAL
2'-8" TO 3'-6"	980	1008	490
3'-7" TO 4'-0"	840	868	420
4'-1" TO 4'-6"	730	758	370
4'-7" TO 5'-10"	520	548	250
5'-11" TO 6'-6"	400	428	200
6'-7" TO 7'-6"	300	328	130
7'-7" TO 9'-4"	180	208	85
9'-5" TO 10'-6"	130	158	70



This item has been electronically signed and sealed by John Hoy using a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic documents.

Digitally signed by
John Hoy

Date: 2023.11.02

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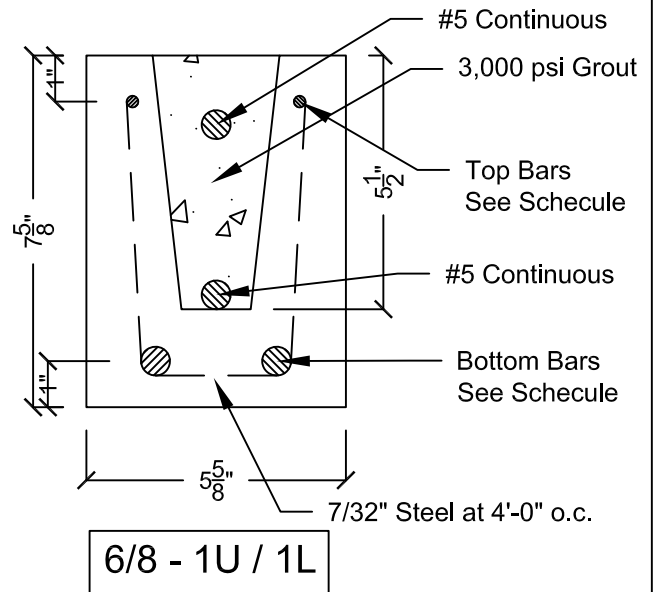
LOTT'S CONCRETE 6" LINTEL LOAD TABLES

SK-1

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6" x 8" PRECAST LINTELS REINFORCING SCHEDULE AND SAFE WORKING LOADS (PLF)					
Lintel Length	Lintel Steel		Unfilled Gravity Capacity	Gravity Capacity (1)#5L	Uplift Capacity (1)#5U
	Bottom Bar	Top Bar			
4'-0"	2 - #2 Rebar	2 - #2 Rebar	1439	2135	1503
4'-6"	2 - #2 Rebar	2 - #2 Rebar	1081	1736	1312
4'-8"	2 - #2 Rebar	2 - #2 Rebar	988	1632	1258
5'-4"	2 - #3 Rebar	2 - #2 Rebar	1170	1321	1086
5'-10"	2 - #3 Rebar	2 - #2 Rebar	993	1153	985
6'-6"	2 - #4 Rebar	2 - #2 Rebar	824	983	877
7'-6"	2 - #4 Rebar	2 - #2 Rebar	655	804	755
9'-4"	2 - #4 Rebar	2 - #2 Rebar	473	599	605
10'-6"	2 - #4 Rebar	2 - #2 Rebar	400	512	492
14'-0"	2 - #5 Rebar	2 - #3 Rebar	270	353	377
15'-4"	2 - #5 Rebar	2 - #3 Rebar	239	314	321
17'-4"	2 - #5 Rebar	2 - #3 Rebar	203	268	259



General Notes:

Codes

- * Florida Building Code Eighth Edition (2023)
- * ASCE 7 - 22
- * ACI 318 - 19

Concrete

- * Precast Lintels - 4,000 psi
- * Grout per ASTM C476 - 3,000 psi

Reinforcement

- * Rebar Placed in Precast - ASTM A615 Gr 60
- * Rebar Placed in Field - ASTM A615 Gr 40

Lintels

- * Safe Loads Based on a Minimum Bearing of 4" for Filled Lintels and 8" for Unfilled Lintels.

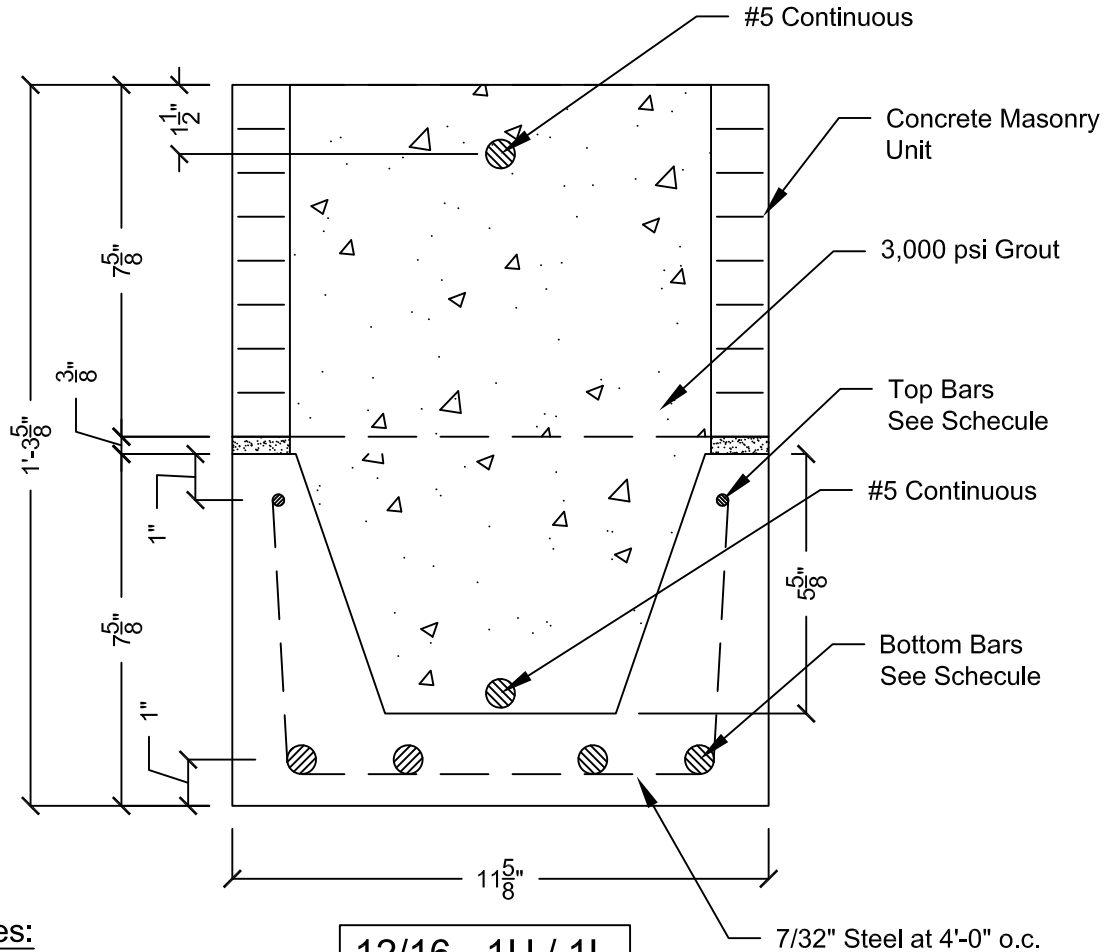


LOTT'S CONCRETE 12" LINTEL LOAD TABLES

SK-1

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General Notes:

12/16 - 1U / 1L

Codes

- * Florida Building Code Eighth Edition (2023)
- * ASCE 7 - 22
- * ACI 318 - 19
- * TMS 402 - 16

Reinforcement

- * Rebar Placed in Precast - ASTM A615 Gr 60
- * Rebar Placed in Field - ASTM A615 Gr 40

Masonry

- * Concrete Masonry Units per ASTM C90 - 1900 psi
- * Mortar per ASTM C270 Type M or S

Concrete

- * Precast Lintels - 6,000 psi
- * Grout per ASTM C476 - 3,000 psi

Lintels

- * Safe Loads Based on a Minimum Bearing of 4" for Filled Lintels and 8" for Unfilled Lintels.

Reinforcement Schedule

Length	Bottom Bar	Top Bar
2'-10" to 5'-10"	4 - #3 Rebar	2 - #3 Rebar
6'-6" to 10'-6"	4 - #4 Rebar	2 - #3 Rebar
11'-4" to 19'-4"	4 - #5 Rebar	2 - #3 Rebar



LOTT'S CONCRETE 12" LINTEL LOAD TABLES

SK-2

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12 INCH LINTEL GRAVITY SAFE WORKING LOADS (PLF)

LENGTH *	TYPE	12/8 PLAIN	12/8-1U/0L	12/16-1U/0L	12/20-1U/0L	12/24-1U/0L	12/32-1U/0L
			12/8-1U/1L	12/16-1U/1L	12/20-1U/1L	12/24-1U/1L	12/32-1U/1L
2' 10"	PRECAST	5905	10000	10000	10000	10000	10000
			10000	10000	10000	10000	10000
3' 6"	PRECAST	3597	6454	10000	10000	10000	10000
			6454	10000	10000	10000	10000
4' 6"	PRECAST	2260	4056	6823	8771	10000	10000
			4056	10000	10000	10000	10000
5' 10"	PRECAST	1503	2697	5833	(1) 4942	6019	8231
			2697	7949	(1) 7205	8810	10000
6' 6"	PRECAST	1283	2302	6346	9355	(1) 8743	10000
			2302	6346	9824	10000	10000
7' 6"	PRECAST	1050	1885	4861	6866	(1) 6404	8734
			1885	4861	7127	10000	10000
9' 4"	PRECAST	783	1407	3311	4273	(1) 3966	5412
			1407	3379	4704	6348	6820
10' 6"	PRECAST	672	1097	2554	3295	(1) 3047	4160
			1206	2816	3845	5037	5263
11' 4"	PRECAST	609	1094	2514	3397	4428	7395
			1094	2514	3397	4428	7403
12' 6"	PRECAST	537	965	2179	2911	3746	5976
			965	2179	2911	3746	6053
13' 4"	PRECAST	495	889	1987	2637	3371	5192
			889	1987	2637	3371	5349
14' 0"	PRECAST	465	835	1854	2449	3116	4661
			835	1854	2449	3116	4884
15' 4"	PRECAST	414	712	1633	2141	2703	3810
			744	1633	2141	2703	4155
17' 4"	PRECAST	354	534	1302	1689	2093	2887
			590	1378	1790	2241	3370
19' 4"	PRECAST	293	410	1006	1305	1622	2239
			454	1165	1521	1896	2626
* TOTAL LENGTH OF LINTEL							
(1) VALUES LOWERD DUE TO ACI MIN. REINFORCEMENT REQUIREMENTS.							



LOTT'S CONCRETE
12" LINTEL LOAD TABLES

SK-3

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12 INCH LINTEL SAFE WORKING LOADS (PLF)								
LENGTH *	TYPE	UPLIFT					LATERAL	
		12/8-1U	12/16-1U	12/20-1U	12/24-1U	12/32-1U	12/8 PLAIN	12/8 SOLID
		12/8-2U	12/16-2U	12/20-2U	12/24-2U	12/32-2U		
2' 10"	PRECAST	5180	8183	8183	8183	8183	1591	5252
		5180	8183	8183	8183	8183		
3' 6"	PRECAST	3979	6550	7971	7971	7971	1216	4013
		3979	6550	7971	7971	7971		
4' 6"	PRECAST	2967	4474	5744	7011	7405	899	2968
		2967	4891	6142	7393	7898		
5' 10"	PRECAST	2227	2649	3398	4145	5641	668	2204
		2227	3679	4620	5560	7787		
6' 6"	PRECAST	1908	2142	2746	3349	4556	591	1952
		1981	3278	4116	4954	6935		
7' 6"	PRECAST	1436	1633	2092	2550	3467	505	1666
		1705	2825	3547	4269	5974		
9' 4"	PRECAST	944	1102	1410	1717	2332	398	1315
		1277	1965	2536	3106	4246		
10' 6"	PRECAST	759	902	1153	1403	1904	351	1158
		1019	1578	2035	2491	3403		
11' 4"	PRECAST	664	797	1018	1239	1680	324	1068
		885	1375	1772	2168	2961		
12' 6"	PRECAST	559	684	873	1061	1439	292	963
		740	1156	1489	1821	2485		
13' 4"	PRECAST	501	622	793	964	1305	272	900
		659	1036	1333	1629	2223		
14' 0"	PRECAST	462	580	739	897	1215	259	854
		605	954	1227	1499	2044		
15' 4"	PRECAST	399	512	652	791	1070	235	777
		518	823	1057	1291	1759		
17' 4"	PRECAST	330	438	557	676	913	207	670
		423	680	873	1065	1449		
19' 4"	PRECAST	282	387	491	595	803	185	536
		357	581	744	906	1232		
* TOTAL LENGTH OF LINTEL								