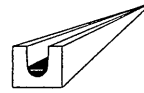
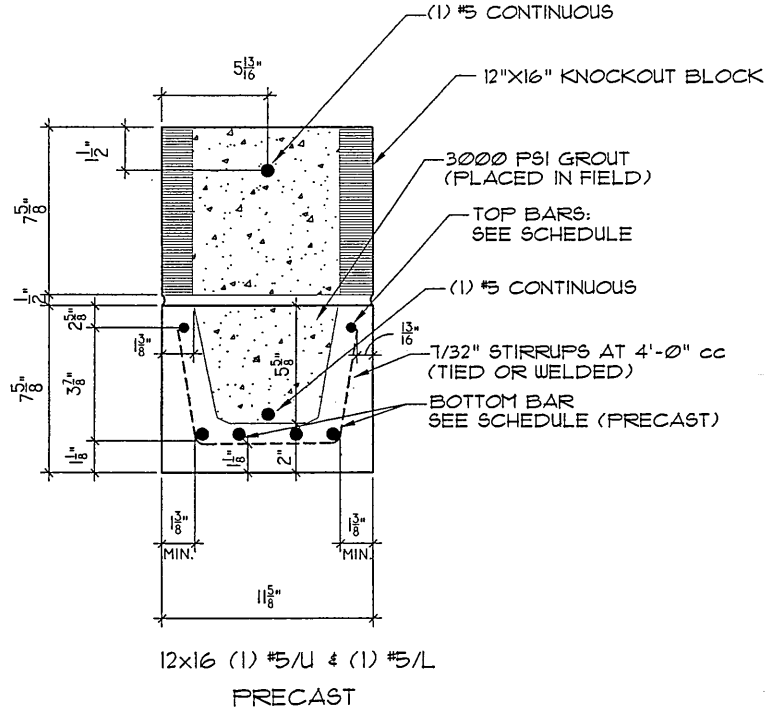


LOTT'S CONCRETE



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12x16 (1) #5/U & (1) #5/L
PRECAST

GENERAL NOTES:

1.) CODES

- 1.1 FLORIDA BUILDING CODE 2004 RESIDENTIAL, SECTIONS R402.2 & R606
- 1.2 FLORIDA BUILDING CODE 2004 BUILDING, SECTIONS 1901.2 & 2107.
- 1.3 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-02).
- 1.4 AMERICAN SOCIETY OF CIVIL ENGINEERS MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE 7-98).

2.) CONCRETE:

- 2.1 CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS:
 - 2.1.1 PRE-CAST W/STANDARD REINFORCEMENT-6000 PSI
 - 2.1.2. GROUT PER ASTM C476 - 3000 PSI W/ MAX. 3/8" AGGREGATE, 8" TO 11" SLUMP.

2.2 REINFORCING BARS:

- 2.2.1 STEEL PLACED IN PRECAST LINTEL AT TIME OF FABRICATION ASTM A615 (GRADE 60)
- 2.2.2 STEEL IN LINTEL AND KNOCKOUT BLOCK (PLACED IN FIELD) ASTM A615 (GRADE 40).

- 2.3 DETAIL REINFORCEMENT IN ACCORDANCE WITH ACI 318.
- 2.4 CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.

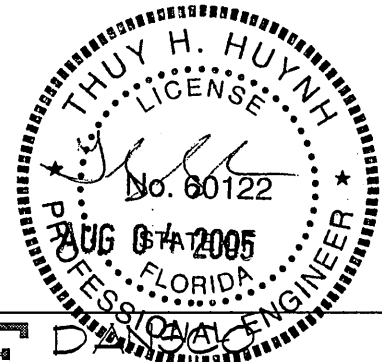
3.) MASONRY:

- 3.1 DESIGN AND CONSTRUCTION SHALL CONFORM TO THE SPECIFICATION OF THE NATIONAL CONCRETE MASONRY ASSOCIATION AND ACI 530-02.
- 3.2 MINIMUM MASONRY UNIT STRENGTH: FM 1500 PSI.
- 3.3 MORTAR SHALL BE TYPE S.

4.) STRUCTURAL:

- 4.1 SAFE LOAD VALUES ARE BASED ON LINTELS HAVING A BEARING OF 8" (WITH A MINIMUM ACCEPTABLE BEARING OF 4" PER FLORIDA BUILDING CODE, 2004 RESIDENTIAL, SECTION R606.13 OR FLORIDA BUILDING CODE 2004 BUILDING, SECTION 2104.15

<input type="checkbox"/>	SAMUEL A. GREENBERG, P.E. #34245
<input type="checkbox"/>	IRWIN J. BENSON, P.E. #49158
<input checked="" type="checkbox"/>	THUY H. HUYNH, P.E. #60122



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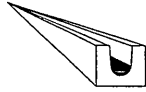
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PRECAST LINTEL LOAD TABLE

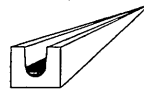
DATE: 03.18.04 | SCALE: N.T.S. | DWG: ECW

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LOTT'S CONCRETE



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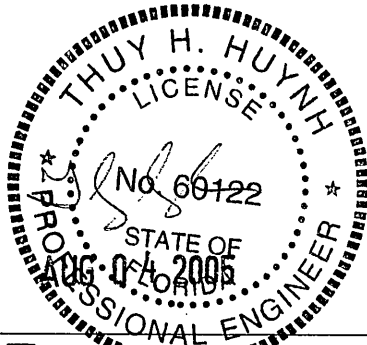
TABLE No. 1
REINFORCING SCHEDULE & LOAD CAPACITIES
SAFE WORKING LOAD (plf)
12" x 8" PRECAST LINTELS

LINTEL TOTAL LENGTH	CLEAR SPAN	LINTEL TYPE	BOTTOM REINF.	TOP REINF.	GRAVITY SAFE LOAD			UPLIFT SAFE LOAD	
					PLAIN	5 (1) U (0) L	5 (1) U (1) L	5 (1) U (0) L 5 (1) U (1) L	5 (2) U (1) L
2'-10"	1'-6"	PRECAST	(4) #3	(2) #3	8462	10000	10000	9898	10000
3'-6"	2'-2"	PRECAST	(4) #3	(2) #3	3582	6625	6625	5762	7367
4'-6"	3'-2"	PRECAST	(4) #3	(2) #3	1961	3658	3658	3120	3987
5'-10"	4'-6"	PRECAST	(4) #3	(2) #3	1205	2275	2275	1689	2458
6'-6"	5'-2"	PRECAST	(4) #4	(2) #3	935	1953	1953	1312	2058
7'-6"	6'-2"	PRECAST	(4) #4	(2) #3	797	1568	1568	939	1650
9'-4"	8'-0"	PRECAST	(4) #4	(2) #3	581	1145	1145	560	1146
10'-6"	9'-2"	PRECAST	(4) #4	(2) #3	494	974	974	421	876
11'-4"	10'-0"	PRECAST	(4) #5	(2) #3	440	886	886	348	735
12'-6"	11'-2"	PRECAST	(4) #5	(2) #3	387	777	777	272	586
13'-4"	12'-0"	PRECAST	(4) #5	(2) #3	355	714	714	229	503
14'-0"	12'-8"	PRECAST	(4) #5	(2) #3	333	670	670	201	448
15'-4"	14'-0"	PRECAST	(4) #5	(2) #3	296	595	595	155	359
17'-4"	16'-0"	PRECAST	(4) #5	(2) #3	253	431	462	106	264
19'-4"	18'-0"	PRECAST	(4) #5	(2) #3	204	260	279	72	162

NOMINAL WIDTH/HEIGHT OF LINTEL
|
|-----PLAIN OR SOLID LINTEL

[12/8-P-#U/#L]

No. of ADDITIONAL #5 BARS IN UPPER
OR LOWER LINTEL CAVITY



- SAMUEL A. GREENBERG, P.E. #34245
- IRWIN J. BENSON, P.E. #49758
- THUY H. HUYNH, P.E. #60122

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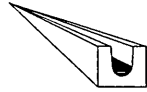
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PRECAST LINTEL LOAD TABLE

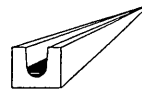
DATE: 03.18.04 SCALE: N.T.S. DWG: ECW

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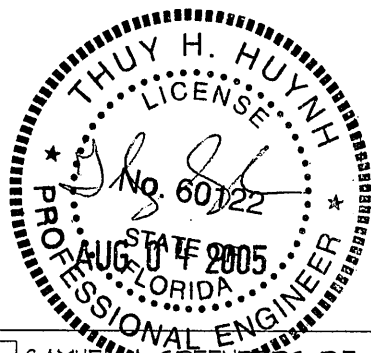
TABLE No. 2
REINFORCING SCHEDULE & LOAD CAPACITIES
SAFE WORKING LOAD (plf)
12" x 16" PRECAST LINTELS

LINTEL TOTAL LENGTH	CLEAR SPAN	LINTEL TYPE	BOTTOM REINF.	TOP REINF.	GRAVITY SAFE LOAD		UPLIFT SAFE LOAD	
					5 (1) U (0) L	5 (1) U (1) L	5 (1) U (0) L 5 (1) U (1) L	5 (2) U (1) L
2'-10"	1'-6"	PRECAST	(4) #3	(2) #3	10000	10000	10000	10000
3'-6"	2'-2"	PRECAST	(4) #3	(2) #3	10000	10000	10000	10000
4'-6"	3'-2"	PRECAST	(4) #3	(2) #3	10000	10000	7567	10000
5'-10"	4'-6"	PRECAST	(4) #3	(2) #3	8092	8092	4114	8226
6'-6"	5'-2"	PRECAST	(4) #4	(2) #3	6303	6303	3203	6428
7'-6"	6'-2"	PRECAST	(4) #4	(2) #3	4659	4659	2303	4654
9'-4"	8'-0"	PRECAST	(4) #4	(2) #3	3134	3134	1388	2850
10'-6"	9'-2"	PRECAST	(4) #4	(2) #3	2585	2585	1053	2188
11'-4"	10'-0"	PRECAST	(4) #5	(2) #3	2302	2302	878	1842
12'-6"	11'-2"	PRECAST	(4) #5	(2) #3	1986	1986	692	1476
13'-4"	12'-0"	PRECAST	(4) #5	(2) #3	1806	1806	589	1273
14'-0"	12'-8"	PRECAST	(4) #5	(2) #3	1683	1683	521	1138
15'-4"	14'-0"	PRECAST	(4) #5	(2) #3	1478	1478	410	921
17'-4"	16'-0"	PRECAST	(4) #5	(2) #3	1246	1246	292	687
19'-4"	18'-0"	PRECAST	(4) #5	(2) #3	1073	1073	210	525

NOMINAL WIDTH/HEIGHT OF LINTEL
— FLAIN OR SOLID LINTEL

[12/16-P-#U/#L]

No. OF ADDITIONAL #5 BARS IN UPPER
OR LOWER LINTEL CAVITY



- SAMUEL GREENBERG, P.E. #34245
- IRWIN J. BENSON, P.E. #49758
- THUY H. HUYNH, P.E. #60122

DE DANSCO

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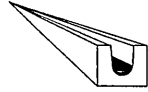
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PRECAST LINTEL LOAD TABLE

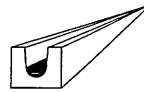
DATE: 03.18.04 SCALE: N.T.S. DWG: ECW

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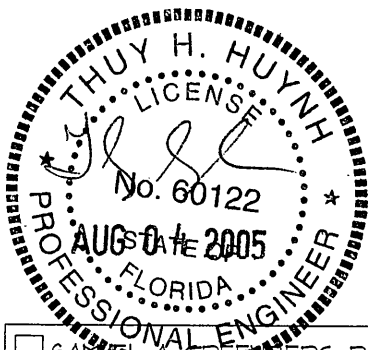
TABLE No. 3
REINFORCING SCHEDULE & LOAD CAPACITIES
SAFE WORKING LOAD (plf)
12" x 20" PRECAST LINTELS

LINTEL TOTAL LENGTH	CLEAR SPAN	LINTEL TYPE	BOTTOM REINF.	TOP REINF.	GRAVITY SAFE LOAD		UPLIFT SAFE LOAD	
					# (1) U (0) L	# (1) U (1) L	# (1) U (0) L # (1) U (1) L	# (2) U (1) L
2'-10"	1'-6"	PRECAST	(4) #3	(2) #3	10000	10000	10000	10000
3'-6"	2'-2"	PRECAST	(4) #3	(2) #3	10000	10000	10000	10000
4'-6"	3'-2"	PRECAST	(4) #3	(2) #3	10000	10000	9794	10000
5'-10"	4'-6"	PRECAST	(4) #3	(2) #3	10000	10000	5330	10000
6'-6"	5'-2"	PRECAST	(4) #4	(2) #3	10000	10000	4152	8344
7'-6"	6'-2"	PRECAST	(4) #4	(2) #3	6926	6926	2989	6044
9'-4"	8'-0"	PRECAST	(4) #4	(2) #3	4373	4373	1807	3706
10'-6"	9'-2"	PRECAST	(4) #4	(2) #3	3529	3529	1373	2848
11'-4"	10'-0"	PRECAST	(4) #5	(2) #3	3107	3107	1146	2400
12'-6"	11'-2"	PRECAST	(4) #5	(2) #3	2647	2647	906	1925
13'-4"	12'-0"	PRECAST	(4) #5	(2) #3	2391	2391	774	1663
14'-0"	12'-8"	PRECAST	(4) #5	(2) #3	2218	2218	685	1487
15'-4"	14'-0"	PRECAST	(4) #5	(2) #3	1934	1934	542	1206
17'-4"	16'-0"	PRECAST	(4) #5	(2) #3	1618	1618	389	903
19'-4"	18'-0"	PRECAST	(4) #5	(2) #3	1385	1385	283	692

NOMINAL WIDTH/HEIGHT OF LINTEL
PLAIN OR SOLID LINTEL

[12/20-P-#U/#L]

No. OF ADDITIONAL #5 BARS IN UPPER
OR LOWER LINTEL CAVITY



- SAMUEL A. GREENBERG, P.E. #34245
- IRWIN J. BENSON, P.E. #49758
- THUY H. HUYNH, P.E. #60122

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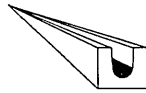
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PRECAST LINTEL LOAD TABLE

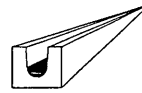
DATE: 03.18.04 SCALE: N.T.S. DWG: ECW

WINTER GARDEN, FL

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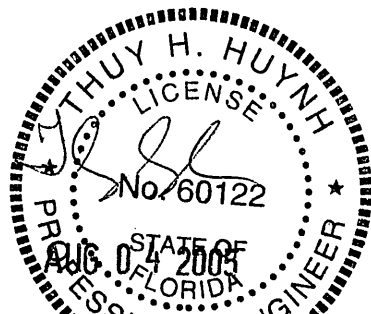
TABLE No. 4
REINFORCING SCHEDULE & LOAD CAPACITIES
SAFE WORKING LOAD (plf)
12" x 24" PRECAST LINTELS

LINTEL TOTAL LENGTH	CLEAR SPAN	LINTEL TYPE	BOTTOM REINF.	TOP REINF.	GRAVITY SAFE LOAD		UPLIFT SAFE LOAD	
					#5 (1) U (0) L	#5 (1) U (1) L	#5 (1) U (0) L #5 (1) U (1) L	#5 (2) U (1) L
2'-10"	1'-6"	PRECAST	(4) #3	(2) #3	10000	10000	10000	10000
3'-6"	2'-2"	PRECAST	(4) #3	(2) #3	10000	10000	10000	10000
4'-6"	3'-2"	PRECAST	(4) #3	(2) #3	10000	10000	10000	10000
5'-10"	4'-6"	PRECAST	(4) #3	(2) #3	10000	10000	6541	10000
6'-6"	5'-2"	PRECAST	(4) #4	(2) #3	10000	10000	5102	10000
7'-6"	6'-2"	PRECAST	(4) #4	(2) #3	10000	10000	3616	7436
9'-4"	8'-0"	PRECAST	(4) #4	(2) #3	5985	5985	2225	4563
10'-6"	9'-2"	PRECAST	(4) #4	(2) #3	4698	4698	1693	3509
11'-4"	10'-0"	PRECAST	(4) #5	(2) #3	4071	4071	1416	2959
12'-6"	11'-2"	PRECAST	(4) #5	(2) #3	3424	3424	1121	2375
13'-4"	12'-0"	PRECAST	(4) #5	(2) #3	3069	3069	958	2052
14'-0"	12'-8"	PRECAST	(4) #5	(2) #3	2832	2832	849	1837
15'-4"	14'-0"	PRECAST	(4) #5	(2) #3	2448	2448	675	1491
17'-4"	16'-0"	PRECAST	(4) #5	(2) #3	2028	2028	487	1119
19'-4"	18'-0"	PRECAST	(4) #5	(2) #3	1724	1724	356	860

NOMINAL WIDTH/HEIGHT OF LINTEL
PLAIN OR SOLID LINTEL

[12/24-P-#U/#L]

No. OF ADDITIONAL #5 BARS IN UPPER
OR LOWER LINTEL CAVITY



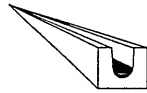
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- IRWIN J. BENSON, P.E. #49758
- THUY H. HUYNH, P.E. #60122

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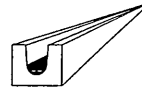
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PRECAST LINTEL LOAD TABLE		
DATE: 03.18.04	SCALE: N.T.S.	DWG: ECW
WINTER GARDEN, FL		
LOTT'S CONCRETE	DE# 240767	SK-5



LOTT'S



CONCRETE

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TABLE No. 5
REINFORCING SCHEDULE & LOAD CAPACITIES
SAFE WORKING LOAD (plf)
12" x 32" PRECAST LINTELS

LINTEL TOTAL LENGTH	CLEAR SPAN	LINTEL TYPE	BOTTOM REINF.	TOP REINF.	GRAVITY SAFE LOAD		UPLIFT SAFE LOAD	
					5 (1) U (0) L	5 (1) U (1) L	5 (1) U (0) L 5 (1) U (1) L	5 (2) U (1) L
2'-10"	1'-6"	PRECAST	(4) #3	(2) #3	10000	10000	10000	10000
3'-6"	2'-2"	PRECAST	(4) #3	(2) #3	10000	10000	10000	10000
4'-6"	3'-2"	PRECAST	(4) #3	(2) #3	10000	10000	10000	10000
5'-10"	4'-6"	PRECAST	(4) #3	(2) #3	10000	10000	10000	10000
6'-6"	5'-2"	PRECAST	(4) #4	(2) #3	10000	10000	7004	10000
7'-6"	6'-2"	PRECAST	(4) #4	(2) #3	10000	10000	5050	10000
9'-4"	8'-0"	PRECAST	(4) #4	(2) #3	10000	10000	3063	6280
10'-6"	9'-2"	PRECAST	(4) #4	(2) #3	8143	8143	2335	4833
11'-4"	10'-0"	PRECAST	(4) #5	(2) #3	6788	6788	1954	4071
12'-6"	11'-2"	PRECAST	(4) #5	(2) #3	5480	5480	1550	3275
13'-4"	12'-0"	PRECAST	(4) #5	(2) #3	4810	4810	1327	2833
14'-0"	12'-8"	PRECAST	(4) #5	(2) #3	4377	4377	1178	2537
15'-4"	14'-0"	PRECAST	(4) #5	(2) #3	3704	3704	939	2062
17'-4"	16'-0"	PRECAST	(4) #5	(2) #3	2998	2998	682	1551
19'-4"	18'-0"	PRECAST	(4) #5	(2) #3	2508	2508	502	1196

NOMINAL WIDTH/HEIGHT OF LINTEL
PLAIN OR SOLID LINTEL

[12/32-P-#U/#L]

No. OF ADDITIONAL #5 BARS IN UPPER
OR LOWER LINTEL CAVITY



- SAMUEL A. GREENBERG, P.E. #34245
- IRWIN J. BENSON, P.E. #49758
- THUY H. HUYNH, P.E. #60122

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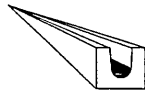
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PRECAST LINTEL LOAD TABLE

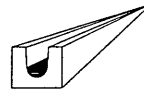
DATE: 03.18.04 | SCALE: N.T.S. | DWG: ECW

WINTER GARDEN, FL

LOTT'S CONCRETE DE# 240767 SK-6



LOTT'S



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TABLE No. 6
SAFE WORKING LATERAL LOADS (PLF)
12" x 8" LINTELS

LINTEL		SAFE LATERAL LOADS (PLF)	
Total Length	Type	12"x8" PLAIN	12"x8" SOLID
2'-10"	Precast	3492	10000
3'-6"	Precast	2075	10000
4'-6"	Precast	1290	5584
5'-10"	Precast	857	3133
6'-6"	Precast	718	2544
7'-6"	Precast	591	2004
9'-4"	Precast	446	1443
10'-6"	Precast	386	1224
11'-4"	Precast	344	1094
12'-6"	Precast	307	964
13'-4"	Precast	262	888
14'-0"	Precast	223	835
15'-4"	Precast	167	747
17'-4"	Precast	114	644
19'-4"	Precast	81	566



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PRECAST LINTEL LOAD TABLE
DATE: 03.18.04 | SCALE: N.T.S. | DWG: ECW
WINTER GARDEN, FL
LOTT'S CONCRETE DE# 240767 | SK-7