

2006

Wood Used in New Residential Construction U.S. and Canada

WITH COMPARISON TO 1995, 1998 AND 2003



WOOD PRODUCTS COUNCIL

2006
Wood Used in New Residential
Construction U.S. and Canada,
With Comparison to 1995, 1998 and 2003

Prepared for:

The Wood Products Council

APA

AF&PA/AWC

CWC

SFPA/SPC

WWPA

FP Innovations

US Forest Products Lab

Natural Resources Canada

Survey and analysis by

NAHB Research Center, Inc.
400 Prince George's Boulevard
Upper Marlboro, Maryland 20774

March 2009

2006
Wood Products Used in New Residential
Construction U.S. and Canada,
with comparisons to 1995, 1998 and 2003

Executive Summary

Craig Adair
Director of Market Research
APA
Tacoma, WA 98466-5333

David B. McKeever, Research Forester
USDA Forest Service
Forest Products Laboratory
Madison, WI 53705-2398

The construction of new single family, multifamily, and manufactured housing is an important market for wood products in both the United States and Canada. Annual wood products consumption is dependent on many factors, including the number of new units started, the size of units started, architectural characteristics, and consumer preferences. In 2006, about 39 percent of all solid wood products consumed in the United States and 28 percent of all solid wood products consumed in Canada were used for new residential construction (Adair 2008, FAO 2008, McKeever 2009). New residential construction continues to be the leading market for solid softwood products in the United States and second only to residential repair and remodeling in Canada.

Between 2003 and 2006 the consumption of lumber and structural panels for new residential construction increased, while nonstructural panel consumption remained virtually unchanged. Lumber (including the board foot equivalent of engineered lumber) consumption increased by 10 percent to nearly 32 billion bf, and structural panels by 6 percent to 23 billion ft² (3/8-inch basis). Nonstructural panels consumption was 3 billion ft² (3/8-inch basis). Per capita consumption also increased to 96 bf, 68 ft² (3/8-inch basis) for lumber, and structural panels, and remained unchanged at 9 ft² (3/8-inch basis) for nonstructural panels.

While this study was in progress, the housing market in the United States began to steadily decline. By the end of 2008, U.S single family housing starts for the year totaled just 622 thousand. Wood products consumption in 2008 was estimated by applying 2006 average wood products consumption per house to the number of starts in 2008. The decline in single family starts in 2008 caused overall wood products consumption in 2008 to be 58 percent below consumption levels in 2006.

Competition

Wood products compete with a variety of non-wood products for market share. A series of residential construction studies have documented the use of wood products, but only highlighted the use of competitive products. Here, we have added additional documentation in the use of competitive materials. Competitors to wood include concrete floors, steel framing, non-wood sheathing products, and plastic composite products typically used for outdoor decks.

Total non-wood products use in 2006 in the U.S. and Canada is shown in Table ES-1. They were equivalent to 7.7 BBF of lumber and engineered wood and 11.3 BSF of wood panels. These are large potentials compared to the North American capacity that has been idled in the recent recession. At the end of 2008, lumber capacity was about 75-77 BBF with production of only about 53 BBF, leaving over 20 BBF of unused capacity. Potential gains represent over one-third of the unused capacity. For structural panels, year-end 2008 capacity was 42 BSF and production was 31 BSF leaving 11 BSF unused. Potential panel gains equal the unused capacity.

Table ES-1 provides estimates of the volume of competitive products used in new residential construction in 2006. In the U.S., the largest volumes of competitive products are in single-family construction where 5.9 BBF of lumber equivalent and 9.0 BSF of structural and non-structural panels were found. Within single-family, the largest gains are in floors and siding. U.S. multifamily construction has the non-wood equivalent of 575 MMBF of lumber and 640 MMSF of wood panels. The largest potential multifamily gains are in floors, walls and siding.

Table ES-1. Potential gains for wood products in new residential construction in the U.S. and Canada, 2006.

Lumber, Beams & EWP (Mil bf)						Wood Based Panels (Mil ft ² , 3/8" basis)				
UNITED STATES										
	Northeast	Midwest	South	West	Total	Northeast	Midwest	South	West	Total
A. Structural applications	U.S. single family housing									
Floors	40	60	1,955	725	2,780	45	70	2,095	775	2,985
Walls	10	25	560	65	660	70	360	1,475	470	2,375
Roofs	0	5	0	5	10	0	0	0	0	0
Subtotal	50	90	2,515	795	3,450	115	430	3,570	1,245	5,360
B. Outdoor structures	25	30	165	265	485	0	0	0	0	0
C. Siding	355	220	790	240	1,605	80	640	1,440	1,005	3,165
D. Soffits, fascia, trim	50	60	180	60	350	20	80	315	65	480
Total	480	400	3,650	1,360	5,890	215	1,150	5,325	2,315	9,005
A. Structural applications	U.S. multifamily housing									
Floors	50	30	130	115	325	35	30	180	60	305
Walls	5	5	100	10	120	10	25	60	10	105
Roofs	0	0	0	0	0	0	0	0	0	0
Subtotal	55	35	230	125	445	45	55	240	70	410
B. Outdoor structures	0	0	0	0	0	0	0	0	0	0
C. Siding	35	25	0	45	105	20	10	160	25	215
D. Soffits, fascia, trim	5	5	10	5	25	0	5	5	5	15
Total	95	65	240	175	575	65	70	405	100	640
A. Structural applications	Total, U.S. single family and multifamily housing									
Floors	90	90	2,085	840	3,105	80	100	2,275	835	3,290
Walls	15	30	660	75	780	80	385	1,535	480	2,480
Roofs	0	5	0	5	10	0	0	0	0	0
Subtotal	105	125	2,745	920	3,895	160	485	3,810	1,315	5,770
B. Outdoor structures	25	30	165	265	485	0	0	0	0	0
C. Siding	390	245	790	285	1,710	100	650	1,600	1,030	3,380
D. Soffits, fascia, trim	55	65	190	65	375	20	85	320	70	495
Total	575	465	3,890	1,535	6,465	280	1,220	5,730	2,415	9,645
A. Structural applications	U.S. manufactured housing									
Floors	--	--	--	--	0	--	--	--	--	0
Walls	--	--	--	--	0	--	--	--	--	204
Roofs	--	--	--	--	0	--	--	--	--	0
Subtotal	--	--	--	--	0	--	--	--	--	204
B. Outdoor structures	--	--	--	--	0	--	--	--	--	0
C. Siding	--	--	--	--	10	--	--	--	--	249
D. Soffits, fascia, trim	--	--	--	--	4	--	--	--	--	23
Total	--	--	--	--	15	--	--	--	--	476
CANADA										
A. Structural applications	Single family			Multi-family	Total	Single family			Multi-family	Total
	North	South	Total			North	South	Total		
Floors	10	0	15	15	40	10	0	15	10	35
Walls	40	5	45	10	100	175	5	180	50	410
Roofs	0	0	0	0	0	0	0	0	0	0
Subtotal	50	5	60	25	140	185	5	195	60	445
B. Outdoor structures	10	25	40	235	310	0	0	0	0	0
C. Siding	110	95	205	55	465	185	105	290	55	635
D. Soffits, fascia, trim	65	60	125	45	295	5	20	25	30	80
Total	235	185	430	360	1,210	375	130	510	145	1,160

¹ At the end of the table title: Volume estimates were made by converting the use of mostly concrete, steel and composite plastic products to equivalent wood product volumes.

² At the end of the heading Wood Based Panels 3/8": Wood based panels include softwood plywood, OSB and

³ On the first B. Outdoor Structures: Outdoor structures include deck and porch surfaces and fencing.

The use of non-wood products in U.S. manufactured housing was relatively small for lumber with only 15 MBF because manufactured homes are essentially all wood framed. The potential gain of 476 MMSF of panels would come from non-wood sheathing and siding.

All Canadian residential construction contained the non-wood equivalent of 1.2 BBF of lumber, mostly from decks, siding and trim. Wood panels have a potential 1.2 MMSF gain primarily from non-wood wall sheathing and siding.

Regionally, the U.S. South and West offer the largest potential gain for increasing wood products use. Regionally, the U.S., single-family and multifamily residential potential gain of 6.5 BBF is: South-60%, West-24%, Northeast-9% and Midwest-7%. For wood panels, the residential potential gain of 9.6 BSF: South-59%, West-25%, Midwest-13% and Northeast-3%.

Table ES-2 provides more detailed information on potential wood product gains by focusing on the U.S. single-family market by region and looking only at softwood lumber and engineered wood products, and structural panels (softwood plywood and OSB). Volumes identified in Table ES-2 include 67% of the total lumber and engineered wood potential and 75% of the structural panel potential gains identified in Table ES-1. A total of 5.18 BBF of lumber and 8.52 BSF of structural panel potential was identified.

The largest potential gain for lumber and engineered wood is in converting concrete slab floors to raised wood floors. This would be a gain of 2.74 BBF. Seventy-one percent of this volume was in the South, 26% in the West. The next largest gain for lumber would be to convert concrete walls to wood. This would be a gain of 513 MMBF with 85% in the South and 10% in the West. Converting concrete to wood has a total potential of 3.25 BBF. This is 63% of the gains identified in this study.

Converting steel framing to wood framing could result in a 201 MMBF gain in 2006. Almost all of the steel framing was in interior walls, 70% in the South, 16% in the West.

Composite or “plastic wood” decking has grown substantially in recent years. In 2006, composite deck and porch surfaces and fencing added up to 120 MMBF equivalent with 49% in the South, 22% in the Northeast, 15% in the West and 14% in the Midwest. Seventy-five percent was in deck and porch surfaces and 25% in fencing.

The potential gains for lumber and wood panel siding were estimated by proportioning the non-wood siding area by current market shares for lumber and panel siding. This provided a gain for lumber siding of 1.61 BBF with 49% in the South, 22% in the Northeast, 15% in the West and 14% in the Midwest.

The largest potential gain for structural panels is in converting non-wood siding to wood panels, resulting in a gain of 3.17 BSF in 2006. Most of the gain would be in the South and West.

The next largest potential gains for structural panels are to convert concrete slab floors and concrete walls to wood framed. Gains for floor sheathing and underlayment over wood framing would be 2.98 BSF with 70% in the South and 26% in the West. For the conversion of concrete walls, the structural panel gain would be 784 MMSF with 79% in the South, 13% in the West, 5% in the Midwest and 3% in the Northeast.

Converting non-structural sheathing such as foam and kraftboard to structural panels offers a potential gain of 1.59 BSF. Regionally, 54% is in the South, 23% in the West, 20% in the Midwest and 3% in the Northeast.

**Table ES-2. Potential gains for softwood lumber and structural panels in
Single-family construction in the U.S., 2006**

	Softwood Lumber, Beams & EWP (Mil bf)				
	Northeast	Midwest	South	West	Total
Concrete					
Floors	37	48	1,944	712	2,742
Walls	9	18	434	52	513
Total	46	67	2,378	764	3,254
Steel Framing					
Floors	3	10	12	13	37
Walls	2	6	125	12	146
Roofs	1	7	2	7	17
Total	6	23	140	32	201
Plastic Composites					
Deck Surfaces	14	9	12	27	63
Porch Surfaces	4	4	13	7	27
Fences	2	2	3	23	30
Total	20	15	29	57	120
Non-Wood Siding	355	221	791	239	1,605
Total	427	325	3,337	1,091	5,180
	Structural Wood Panels (Mil ft², 3/8" basis)				
	Northeast	Midwest	South	West	Total
Concrete					
Floor Sheathing	36	58	1,790	651	2,535
Underlayment	8	11	305	122	446
Total	44	69	2,095	774	2,981
Concrete Walls	22	40	621	101	784
Non-structural wall sheathing	47	321	854	369	1,591
Non-Wood Siding	82	641	1,440	1,003	3,167
Total	195	1,071	5,011	2,247	8,524

Volume estimates were made by converting the use of mostly concrete, steel and composite plastic products to equivalent wood product volumes.

Figure ES-1 Potential Gains – Single Family 2006

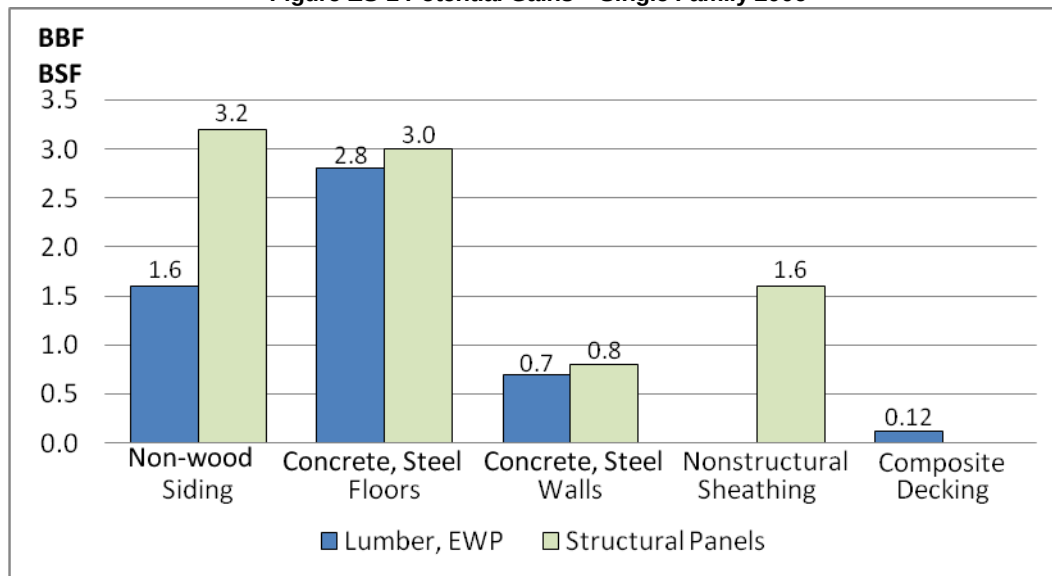


Figure ES-1 summarizes the potential single-family gains shown in Table ES-2. Wood products have only 13.1% of the single-family siding market and converting the rest of the market would result in a gain of 1.6 BBF of lumber and 3.2 BSF of structural panel siding. Converting concrete floors and steel framed floors to wood results in a gain of 2.8 BBF of lumber and engineered wood with 99% of this coming from concrete floor conversion. Converting concrete floors to raised wood floors also results in a gain of 3.0 BSF of structural panels used for floor sheathing and underlayment. Converting concrete and steel framed walls to wood results in a gain of .7 BSF of lumber and engineered wood with 78% of this coming from concrete wall conversion. Converting concrete walls to wood results in a potential gain of .8 BSF of structural panel sheathing. If nonstructural sheathing was converted to structural, the gain would be 1.6 BSF. Converting composite decking products to wood results in a gain of 120 MMBF of lumber. It should be remembered that the remodeling market represents a much larger opportunity to convert composite decking to wood.

In summary, this report identified substantial gains for wood products by gaining market share from competitive non-wood products. Most of the gains are in U.S. single-family construction. Regionally, most of the gains are in the U.S. south and west. Some may ask if these potential gains are valid because of the declining housing market. The answer is "Yes". The 1.9 million U.S. housing starts and manufactured homes and the 227 thousand Canadian housing starts are within the range for the long-term annual demand for housing identified by the National Association of Home Builders, Harvard's Joint Center for Housing Studies and others. Whatever the size of the market, volumes captured from the competition can be viewed as incremental to what was attained before.

New Construction Activity

Annual activity in the new residential construction market is measured in many ways. Two common measures are the value of new construction put in place, and the number of new housing units started. These data are collected annually in the United States by the U.S. Department of Commerce, Bureau of the Census, and in Canada by the Canada Mortgage and Housing Corporation. The value of new construction put in place includes all new single family and new multifamily housing. Manufactured housing, which is defined to be U.S. Department of Housing and Urban Development qualified movable dwellings, is not included. Housing starts include new single family and new multifamily housing units plus the number of manufactured housing units shipped.

In 2006 the value of new residential construction put in place totaled \$469 billion (US) in the United States, and nearly \$48 billion (CA) in Canada (Table ES-3). These levels of value represent an average of \$1,569 (US) for every person in the United States, and \$1,457 (CA) per person in Canada. When converted to constant 2005 (US) dollars, value put in place totaled nearly \$482 billion in 2006 for the two countries combined. The United States accounted for 92 percent of total value, Canada 8 percent. Between 1988 and 1995, total constant dollar value of new construction put in place varied from a high of \$317 billion in 1988 to a low of \$234 billion in 1991 (Fig. ES-2). The large drop in value of new construction put in place in the early 1990s was directly attributable to the economic recession which occurred in the United States between 1990 and 1991 (NBER 1992). Since 1996 value has increased steadily through 2005 which was the all time record high year for new single family construction in the United States resulting in total combined value of new residential construction in the United States and Canada of \$517 billion (2005 US). Values declined in 2006, but 2006 was still about 20 percent greater than the 1996 to 2006 10 year average value. The distribution of value between the United States and Canada has always favored the U.S. During the late 1980s and early 1990s Canada accounted for more than 10 percent of total value. Since 1993 Canada's share has fallen into the single digits.

Table ES-3. Residential construction value put in place in the United States and Canada, 1988-2006.

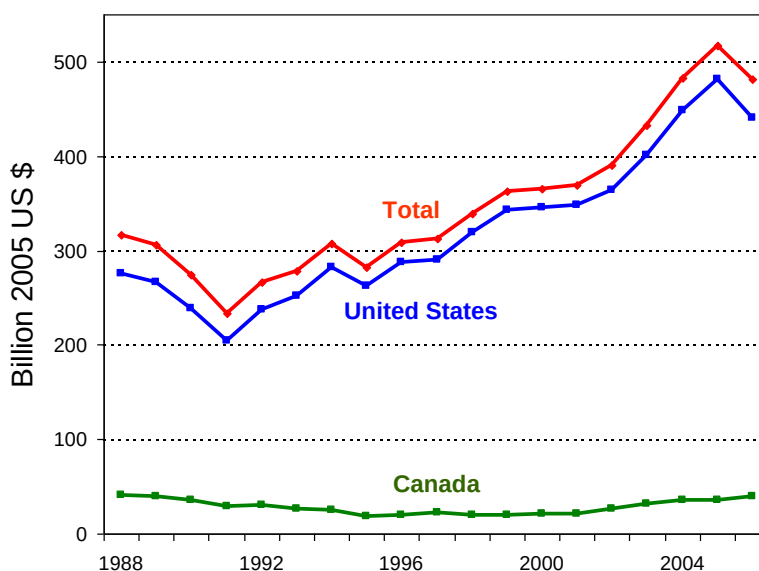
Year	United States			Canada			Total value		
	Value		Per capita (05 US \$)	Value		Per capita (05 US \$)			
	(Bil. US \$)	(Bil. 05 US \$) ¹		(Bil. CA \$)	(Bil. 05 US \$) ^{1,2}		(Bil. 05 US \$)	U.S. share	Canada share
1988	142.4	276.0	1,129	25.6	41.1	1,533	317.0	87%	13%
1989	143.2	266.7	1,081	25.2	39.4	1,444	306.1	87%	13%
1990	132.1	238.5	956	23.1	36.0	1,300	274.5	87%	13%
1991	114.6	205.0	813	18.8	29.2	1,043	234.2	88%	12%
1992	135.1	237.0	929	20.7	30.4	1,072	267.4	89%	11%
1993	150.9	252.4	979	19.9	25.9	904	278.3	91%	9%
1994	176.4	282.2	1,084	21.8	25.2	869	307.4	92%	8%
1995	171.4	262.9	1,000	17.3	19.5	665	282.4	93%	7%
1996	191.1	287.8	1,085	18.1	19.9	673	307.8	94%	6%
1997	198.1	289.6	1,081	21.5	22.8	763	312.4	93%	7%
1998	224.0	319.1	1,181	21.1	20.2	670	339.3	94%	6%
1999	251.3	342.8	1,257	22.3	20.5	673	363.2	94%	6%
2000	265.0	345.6	1,225	23.7	20.9	680	366.5	94%	6%
2001	279.4	348.4	1,222	25.9	21.1	681	369.5	94%	6%
2002	298.8	364.0	1,264	33.2	26.2	835	390.2	93%	7%
2003	345.7	401.5	1,382	37.0	31.1	983	432.6	93%	7%
2004	417.5	448.9	1,531	42.5	34.6	1,070	483.5	93%	7%
2005	480.8	480.8	1,625	44.3	36.2	1,111	517.0	93%	7%
2006	468.8	441.4	1,478	48.1	40.1	1,215	481.5	92%	8%

¹Based on price deflator (Fisher) index of new one-family houses under construction as reported by the U.S. Dept. of Commerce.

²Based on Federal Reserve Bank of St. Louis exchange rates.

Sources: CMHC 2008a, FRB 2009, USDC BC 2009b and 2009c.

Figure ES-2 – Value of new residential construction put in place in the United States and Canada, 1988-2006.



A second measure of activity in the new residential construction market is the number of housing units started annually. In general, as the number of housing starts increases, so does total wood products consumption. In 2006 nearly 2.1 million conventional (single family and multifamily) housing units were started in the United States and Canada (Table ES-4). An additional 0.1 million manufactured housing units were shipped in the U.S. New single family houses are the residence of choice in both the United States and Canada. Overall single family houses accounted for just over three-fourths of all conventional housing units started – 81 percent in the U.S and 69 percent in Canada.

Table ES-4. Residential housing starts in the United States and Canada, 1988-2006.

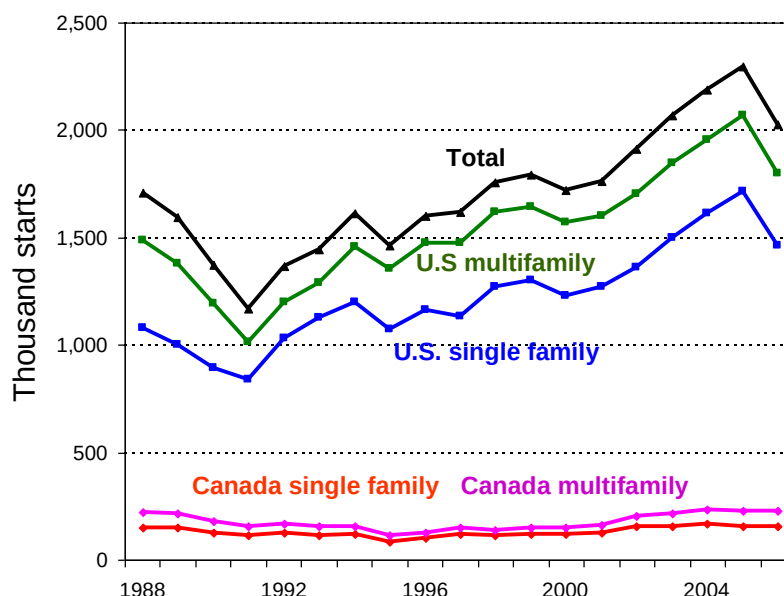
Year	United States				Canada			Total		
	Single family (Thou)	Multi-family (Thou)	Mfg housing ¹ (Thou)	Total (Thou)	Single family (Thou)	Multi-family (Thou)	Total (Thou)	(Thou)	U.S. share	Canada share
1988	1,081	407	218	1,706	151	71	223	1,929	88%	12%
1989	1,003	373	198	1,574	148	67	215	1,790	88%	12%
1990	895	298	188	1,381	126	56	182	1,563	88%	12%
1991	840	174	171	1,185	112	44	156	1,341	88%	12%
1992	1,030	170	211	1,410	123	45	168	1,579	89%	11%
1993	1,126	162	254	1,542	115	40	155	1,697	91%	9%
1994	1,198	259	304	1,761	119	35	154	1,915	92%	8%
1995	1,076	278	340	1,694	84	27	111	1,805	94%	6%
1996	1,161	316	363	1,840	102	23	125	1,965	94%	6%
1997	1,134	340	354	1,828	122	25	147	1,975	93%	7%
1998	1,271	346	373	1,990	112	26	137	2,127	94%	6%
1999	1,302	339	348	1,989	118	32	150	2,139	93%	7%
2000	1,231	338	250	1,819	119	33	152	1,971	92%	8%
2001	1,273	329	193	1,796	123	40	163	1,959	92%	8%
2002	1,359	346	169	1,874	157	48	205	2,079	90%	10%
2003	1,499	349	131	1,979	157	61	218	2,197	90%	10%
2004	1,611	345	131	2,087	166	68	233	2,320	90%	10%
2005	1,716	353	147	2,215	156	69	225	2,441	91%	9%
2006	1,465	336	117	1,918	157	71	227	2,146	89%	11%

¹U.S. Dept of Housing & Urban Development (HUD) qualified movable dwellings.

Sources: CMHC 2008b, USDC BC 2009d and 2009e.

Housing starts are dependent on many factors including overall performance of the economy, availability and cost of credit, household formations, the numbers of new unsold houses on the market, the number of houses for sale from the existing housing stock, and consumer confidence. These factors can cause annual production to differ substantially from year to year, and from decade averages. Between 1988 and 1991 total housing starts in the U.S. and Canada fell by more than one-half million units from 1.9 to 1.3 million (Fig. ES-3). As noted above for value of new construction put in place, the decline in housing starts in the early 1990s is directly attributable to the 1990-1991 economic recession. Starts in the United States declined by nearly 32 percent during this period while those in Canada by 30 percent. Since 1991 starts have generally trended upwards through 2005. Although 2005 was not the all time record high year for total housing starts in the United States, it did set the all time record for single family starts. In 2006, a large drop in housing starts occurred in the United States compared a modest increase in Canada. Compared to ten years averages, starts in the United States in 2006 were 10 percent above average and Canada 26 percent.

Figure ES-3 – Housing starts in the United States and Canada, 1988-2006.



Wood Products Use

The construction of new conventional single family and multifamily residential units in the United States and Canada, and manufactured housing in the United States required an estimated 31.7 billion bf of lumber, 22.6 billion ft² (3/8-inch basis) of structural panels, and 3.0 billion ft² (3/8-inch basis) of nonstructural panels in 2006 (Table ES-5). The average residential unit required about 14,800 bf of lumber, 10,600 ft² (3/8-inch basis) of structural panels, and 1,400 ft² (3/8-inch basis) of nonstructural panels. This level of consumption is equivalent to each person in the United States and Canada consuming 96 bf of lumber, 68 ft² (3/8-inch basis) of structural panels, and 9 ft² (3/8-inch basis) of nonstructural panels for new housing.

Table ES-5. Wood products consumption for new residential construction in the United States and Canada, 1988, 1995, 1998, 2003 and 2006.

Year	United States			Canada			Total		
	Lumber ¹ (BF)	Struc- tural panels ² (Ft ²)	Non- struc- tural panels ² (Ft ²)	Lumber ¹ (BF)	Struc- tural panels ² (Ft ²)	Non- struc- tural panels ² (Ft ²)	Lumber ¹ (BF)	Struc- tural panels ² (Ft ²)	Non- struc- tural panels ² (Ft ²)
1988³									
Single family (Mil)	16,998	9,151	3,227	--	--	--	--	--	--
Multifamily (Mil)	2,614	1,405	510	--	--	--	--	--	--
Mobile homes (Mil)	725	512	515	--	--	--	--	--	--
Total	20,337	11,068	4,252	--	--	--	--	--	--
Per house	11,919	6,487	2,492	--	--	--	--	--	--
Per capita	83.2	45.3	17.4	--	--	--	--	--	--
1995⁴									
Single family (Mil)	15,419	11,510	2,396	904	496	70	16,323	12,006	2,466
Multifamily (Mil)	1,378	897	383	238	169	34	1,616	1,066	417
Mobile homes (Mil)	1,548	1,786	418	--	--	--	1,548	1,786	418
Total	18,345	14,193	3,197	1,142	665	104	19,487	14,858	3,301
Per house	10,829	8,378	1,887	10,295	5,995	938	10,797	8,232	1,829
Per capita	69.8	54.0	12.2	39.0	22.7	3.5	66.7	50.9	11.3
1998⁴									
Single family (Mil)	19,789	14,090	3,166	1,388	804	231	21,177	14,894	3,397
Multifamily (Mil)	1,886	1,224	454	427	273	146	2,313	1,497	600
Mobile homes (Mil)	2,130	1,585	909	--	--	--	2,130	1,585	909
Total	23,805	16,899	4,529	1,815	1,077	377	25,620	17,976	4,906
Per house	11,962	8,492	2,276	13,206	7,836	2,743	12,043	8,450	2,306
Per capita	88.1	62.5	16.8	60.2	35.7	12.5	85.3	59.8	16.3
2003⁴									
Single family (Mil)	23,178	17,218	2,335	1,868	1,273	170	25,046	18,491	2,504
Multifamily (Mil)	2,159	1,316	307	582	482	62	2,741	1,798	369
Mobile homes (Mil)	1,135	976	124	--	--	--	1,135	976	124
Total	26,471	19,510	2,766	2,450	1,755	232	28,921	21,265	2,998
Per house	13,380	9,861	1,398	11,217	8,035	1,062	13,165	9,680	1,365
Per capita	91.1	67.2	9.5	77.3	55.4	7.3	87.2	64.1	9.0
2006									
Single family (Mil)	24,974	18,131	2,266	2,705	1,792	213	27,679	19,923	2,478
Multifamily (Mil)	2,339	1,508	267	707	467	66	3,046	1,974	333
Mobile homes (Mil)	1,024	749	157	--	--	--	1,024	749	157
Total	28,337	20,387	2,689	3,412	2,259	279	31,748	22,646	2,968
Per house	14,773	10,628	1,402	15,004	9,934	1,226	14,797	10,555	1,383
Per capita	94.8	68.2	9.0	103.4	68.5	8.5	95.7	68.3	8.9

¹Includes the board foot equivalent of engineered wood.

²3/8-inch basis.

³1988 is not strictly comparable to later years due to changes in survey methodology.

⁴Canada data revised for 1995, 1998 and 2003.

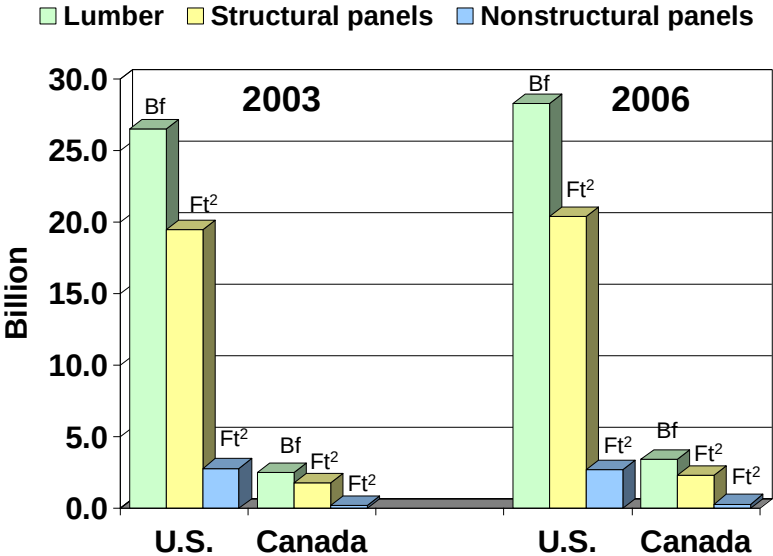
Sources: Anderson and McKeever 1991, CMHC 2008a and 2008b, USDC BC 2000, 2009a and 2009d, Wikipedia 2009, WPC 1999 and 2005.

Since 1995 lumber and structural panel consumption for new residential construction increased steadily (Table ES-5). Lumber use increased, on average, by about 4.5 percent per year between 1995 and 2006 while structural panels increased by 4.0 percent per year. Nonstructural panel use varied substantially between 1995 and 2006, and on average fell by nearly 1 percent per year. Wood products use per house and use per capita closely followed trends in total use. On average lumber use per house increased by 2.9 percent and structural panels 2.3 percent per year, while nonstructural panel use fell by 2.5 percent per year. Differences between average annual rates of change between total use and use per house are due to differences in numbers and types of units built, and average size of units built.

Consumption of lumber and structural panels in both the United States and Canada was substantially higher in 2006 than in 2003 (Table ES-5, Fig. ES-4). Nonstructural panel consumption exhibited minor changes in use.

In 2006, on a cubic foot basis, the United States consumed 90 percent of all wood products used for new residential construction, Canada 10 percent. These percentages varied by less than 1 percent between wood product groups. Since the United States has 90 percent of the combined population of the two countries, it would indicate that the rate of wood use in the United States and Canada is about the same for new housing.

Figure ES-4 – Wood products consumption for new residential construction in the United States and Canada, 2003 and 2006.



Wood Products Use Per Unit

Wood products use per \$1,000 (constant 2005) of value, per house, and per square foot of floor area are all measures of the relative amounts of each wood product used per unit of construction activity. Each is affected by different aspects of construction. Between 2003 and 2006 overall amounts of lumber and structural panels increased in both the United States and Canada, while nonstructural panels decreased in the United States but increased in Canada (Table ES-6). However, use per \$1,000 (constant 2005) of construction value fell for all wood products in the United States, and increased or remained unchanged in Canada. Increasing total wood products use coupled with steady or falling use per \$1,000 of value indicates that nonwood building products and other components of new construction are becoming more costly than wood.

Changes in wood products use per square foot of floor area tended to follow changes in overall use between 2003 and 2006. Lumber and structural panel use per square foot of floor area in both the United States and Canada increased, and nonstructural panel use decreased or remained steady (Table ES-6). Overall, houses built in Canada tend to be more wood intensive than those built in the United States. In 2006, lumber user per square foot of floor area in Canada for single family houses was 9.3 bf compared to just 6.9 bf in the United States. Structural and nonstructural panel use was also higher.

Table ES-6. Wood products used per house, per square foot of floor area, and per \$1,000 of construction value for new residential construction in the United States and Canada, 2003 and 2006

Year				Lumber				Structural panels (3/8-inch basis)				Nonstructural panels (3/8-inch basis)			
	Total value	Average floor area ¹	Starts	Total use	Use			Total use	Use			Total use	Use		
	(Mil. 05 US \$)	(Ft ²)			per \$1000	per house	per ft ²		per \$1000	per house	per ft ²		per \$1000	per house	per ft ²
			(Thou)	(Mil. bf)	(Bf)	(Bf)	(Bf)	(Mil. ft ²)	(Bf)	(Ft ²)	(Ft ²)	(Mil. ft ²)	(Bf)	(Ft ²)	(Ft ²)
2003															
United States															
Single family	360,714	1,499	2,330	23,178	64	15,462	6.6	17,218	48	11,486	4.9	2,335	6	1,558	0.7
Multifamily	40,785	349	1,173	2,159	53	6,192	5.3	1,316	32	3,775	3.2	307	8	880	0.8
Mobile homes	--	131	1,620	1,135	--	8,675	5.4	976	--	7,463	4.6	124	--	950	0.6
Total	401,499	1,979	2,079	26,471	66	13,380	6.4	19,510	49	9,861	4.7	2,766	7	1,398	0.7
Canada ²															
Single family	--	157	1,806	1,911	--	12,156	6.7	1,273	--	8,098	4.5	169	--	1,078	0.6
Multifamily	--	61	1,067	595	--	9,726	9.1	481	--	7,866	7.4	62	--	1,019	1.0
Total	31,131	218	1,599	2,506	81	11,475	7.2	1,755	56	8,033	5.0	232	7	1,062	0.7
2006															
United States															
Single family	391,711	1,465	2,469	24,974	64	17,043	6.9	18,131	46	12,373	5.0	2,266	6	1,546	0.6
Multifamily	49,720	336	1,277	2,339	47	6,971	5.5	1,508	30	4,494	3.5	267	5	796	0.6
Mobile homes	--	117	1,605	1,024	--	8,726	5.4	749	--	6,383	4.0	157	--	1,336	0.8
Total	441,431	1,918	2,208	28,337	64	14,773	6.7	20,387	46	10,628	4.8	2,689	6	1,402	0.6
Canada															
Single family	--	157	1,864	2,705	--	17,271	9.3	1,792	--	11,441	6.1	213	--	1,358	0.7
Multifamily	--	71	1,162	707	--	9,986	8.6	467	--	6,598	5.7	66	--	936	0.8
Total	40,079	227	1,646	3,412	85	15,004	9.1	2,259	56	9,934	6.0	279	7	1,226	0.7

¹Average floor area of completed houses in year specified.

²Revised.

Sources: Table ES-1, Table ES-2, USDC BC 2009.

References

- Adair, Craig. 2008. Structural panel and engineered wood yearbook. APA Report E174. Tacoma, WA: APA–The Engineered Wood Association. Tacoma, WA.
- Anderson, Robert G.; McKeever, David B. 1991. Wood used in new residential construction in the United States 1988. Final report to the Wood Products Promotion Council. Tacoma, WA: American Plywood Association.
- Canada Mortgage and Housing Corporation. 2008a. CHS Residential building activity, construction expenditures and building permits - 2007.
https://www03.cmhc-schl.gc.ca/b2c/b2c/init.do?language=en&z_category=0/0000000055
- Canada Mortgage and Housing Corporation. 2008b. CHS Residential building activity dwelling starts, completions, under construction and newly completed and unabsorbed dwellings - 2007.
https://www03.cmhc-schl.gc.ca/b2c/b2c/init.do?language=en&z_category=0/0000000055
- Federal Reserve Bank of St. Louis. 2009. Exchange Rates.
<http://research.stlouisfed.org/fred2/categories/15>
- Food and Agriculture Organization. 2008. FAO 2006 yearbook of forest products. Rome, Italy: Food and Agriculture Organization of the United Nations.
- McKeever, David B. 2009. Estimated annual timber products consumption in major end uses In the United States, 1950-2006. FPL-GTR-181. Madison, WI: U.S. Department of Agriculture, Forest Service, Forest Products Laboratory.
- National Bureau of Economic Research. 1992. NBER Business Cycle Dating Committee determines that recession ended in March 1991. Cambridge, MA: National Bureau of Economic Research, Business Cycle Dating Committee.
<http://www.nber.org/March91.html>
- U.S. Department of Commerce, Bureau of the Census. 2000. Historical national population estimates: July 1, 1900 to July 1, 1999. Washington, DC: U.S. Department of Commerce, Bureau of the Census.
<http://www.census.gov/popest/archives/1990s/popclockest.txt>
- U.S. Department of Commerce, Bureau of the Census. 2009a. Annual estimates of the resident population for the United States, regions, states, and Puerto Rico: April 1, 2000 to July 1, 2008 (NST-EST2008-01). Washington, DC: U.S. Department of Commerce, Bureau of the Census.
<http://www.census.gov/popest/states/NST-ann-est.html>
- U.S. Department of Commerce, Bureau of the Census. 2009b. Construction price indexes. Washington, DC: U.S. Department of Commerce, Bureau of the Census.
<http://www.census.gov/const/www/constpriceindex.html>
- U.S. Department of Commerce, Bureau of the Census. 2009c. Construction spending. Washington, DC: U.S. Department of Commerce, Bureau of the Census.
<http://www.census.gov/const/www/previousseries.html>
- U.S. Department of Commerce, Bureau of the Census. 2009d. Manufactured .housing. Washington, DC: U.S. Department of Commerce, Bureau of the Census.
<http://www.census.gov/const/www/mhsindex.html>
- U.S. Department of Commerce, Bureau of the Census. 2009e. New residential construction (building permits, housing starts, and housing completions). Washington, DC: U.S. Department of Commerce, Bureau of the Census.
<http://www.census.gov/const/www/newresconstindex.html>
- Wikipedia. 2009. List of population of Canada by years. San Francisco, CA: Wikimedia Foundation Inc.
http://en.wikipedia.org/wiki/List_of_population_of_Canada_by_years
- Wood Products Council. 1999. Wood used in new residential construction –1998 and 1995. Tacoma, WA: APA-The Engineered Wood Association.
- Wood Products Council. 2005. Wood products used in residential construction in the U.S. and Canada – 2003 with comparisons to 1998 and 1995. Tacoma, WA: APA - The Engineered Wood Assoc.

2006
Wood Used in New Residential
Construction U.S. and Canada,
With Comparison to 1995, 1998 and 2003

TABLE OF CONTENTS

PROJECT INTRODUCTION.....	1
RESEARCH SCOPE AND METHODOLOGY	1
ANALYSIS.....	1
SUMMARY OF WOOD USAGE TRENDS IN U.S. & CANADA NEW RESIDENTIAL CONSTRUCTION.	1
COMPARISON OF WOOD USAGE IN U.S. & CANADA NEW RESIDENTIAL CONSTRUCTION FROM 2003 TO 2006	4
COMPARISON OF WOOD USAGE PER SQUARE FOOT OF FLOOR AREA IN U.S. AND CANADA NEW RESIDENTIAL CONSTRUCTION FROM 2003 TO 2006	7
COMPARISON OF U.S. SINGLE-FAMILY VS APARTMENTS	8
COMPARISON OF CANADIAN SINGLE-FAMILY VS APARTMENT.....	14
COMPARISON OF WOOD USAGE IN U.S. MANUFACTURED HOUSING.....	17
COMPETITIVE MATERIALS	15
OVERALL TRENDS IN WOOD, STEEL, AND CONCRETE/MASONRY USAGE	19
STRUCTURAL FRAMING MATERIALS	18
SHEATHING MATERIALS & UNDERLAYMENT	21
OUTDOOR STRUCTURE MATERIALS	20
WHERE TO GO FOR MORE INFORMATION	21
APPENDIX A.....	22

DISCLAIMER

Neither the NAHB Research Center, Inc., nor any person acting in its behalf, makes any warranty, express or implied, with respect to the use of any information, apparatus, method, or process disclosed in this publication or that such use may not infringe privately owned rights, or assumes any liabilities with respect to the use of, or for damages resulting from the use of any information, apparatus, method, or process disclosed in this publication, or is responsible for statements made or opinions expressed by individual author

MISSION STATEMENT

The NAHB Research Center's mission is to promote innovation in housing technology to improve the quality, durability, affordability, and environmental performance of homes and home building products.

ABOUT THE NAHB RESEARCH CENTER

Created in 1964 as a subsidiary of the National Association of Home Builders (NAHB), the NAHB Research Center has established itself as the source for reliable, objective information and research on housing construction and development issues. The Research Center's unique relationship with the housing industry, and breadth of technical expertise, provide an unrivaled depth of understanding of the housing industry, and access to its business leaders in fulfilling clients' research needs.

PROJECT INTRODUCTION

New construction of residential structures and properties in the U.S. and Canada is a major component of demand for softwood products and continues to represent a growing market for forest products. The APA – The Engineered Wood Association, in conjunction with the Southern Pine Council, obtained funding through the Bi-National Softwood Lumber Council to conduct a study of the U.S. and Canadian residential construction markets for lumber and wood products to assess market changes and to uncover areas for potential softwood lumber growth through promotional activities. This network commissioned the NAHB Research Center (Research Center) to assemble data for new residential construction activities that were conducted during 2006 which would be comparable to the Wood Products Council-sponsored studies of 1997 and 2003.

The primary data source for the current study is the Research Center's *Annual Builder Practices Survey*, a study of product and materials usage in new residential construction in the U.S. and Canada. The Annual Builder Practices Survey gathered data from approximately 2,110 U.S. and 188 Canadian builders during early 2007. The categories of new wood-product usage considered are structural assemblies (floors, walls, and roofs), interior millwork and moldings, exterior finishes, fenestration (doors and windows), and exterior structures (decks, porches, docks/piers, and walkways). The tables contained in this narrative report are based on detailed tabulations found in Appendix C.

RESEARCH SCOPE AND METHODOLOGY

The current study provides a comprehensive update and, to the degree possible, a comparison of wood products used by builders in new residential construction in 2003 and 2006.

The primary data gathering method for the current study was a web-based survey of approximately 48,000 U.S. and over 5,000 Canadian builders. Since numerous U.S. home building companies have multiple offices throughout the country, each local building establishment of multi-regional and national firms is recognized as a separate entity. Hence, questionnaires were sent to local home building establishments, not to regional offices or national headquarters. To assure that local offices are reporting only on homes built by their own operations and not the homes constructed by operations in other areas, the programming methodology allows a maximum of 200 single-family detached homes per Census Division built by a respondent's local operation. The number of single-family attached homes and multifamily dwellings are limited to 500 per Census Division. A corresponding methodology was used for Canadian starts.

ANALYSIS

SUMMARY OF WOOD-USAGE TRENDS IN U.S. & CANADA NEW RESIDENTIAL CONSTRUCTION

Since 1990, the U.S. and Canada have experienced different patterns in housing starts (see Table 1). For the U.S., the general trend has been a gradual but generally steady increase, with the exception of a few dips scattered across the specific home types and the noticeable decreases in both 1991 and 2006, the most recent year in this report. However, Canada experienced a distinct decrease in housing starts across all housing types in 1993 and has generally produced a slightly higher number of housing starts each year since. In 2006, the U.S. had fewer housing starts than it did in 2003 (or 2005) whereas Canada had a slightly higher number of starts.

TABLE 1
U.S. & Canadian Housing Starts & U.S. Manufactured Housing Shipments (1990 - 2006)

YEAR	U.S. ¹				CANADA ¹		
	SINGLE-FAMILY	APARTMENTS	CONVENTIONAL	MANUFACTURED	SINGLE-FAMILY	APARTMENTS	CONVENTIONAL
1990	895	298	1,193	188	126	56	182
1991	840	174	1,014	171	112	44	156
1992	1,030	170	1,200	211	123	45	168
1993	1,126	162	1,288	254	115	40	155
1994	1,198	259	1,457	304	119	35	154
1995	1,076	278	1,354	340	84	27	111
1996	1,161	316	1,477	363	102	23	125
1997	1,134	340	1,474	354	122	25	147
1998	1,271	346	1,617	373	112	26	137
1999	1,302	339	1,641	348	118	32	150
2000	1,231	338	1,569	250	119	33	152
2001	1,273	329	1,602	193	123	40	163
2002	1,359	346	1,705	169	157	48	205
2003	1,499	349	1,848	131	157	61	218
2004	1,611	345	1,956	131	166	68	233
2005	1,716	352	2,068	147	156	69	225
2006	1,465	336	1,801	117	157	71	227

¹ Data in thousands

Despite the difference in housing-start numbers in the U.S. as opposed to Canada, it appears that the two countries exhibit similar patterns in wood-product usage (see Table 2). The U.S. housing starts comprise approximately 90 percent of the combined U.S. and Canadian housing starts (see Table 1), and U.S. wood usage for new residential construction comprises approximately 90 percent (by volume) of the total lumber used (see Table 2). In the U.S., Softwood lumber is used more in Framing than Engineered wood (88% vs. 12% with manufactured homes closer to 95% and 5%), whereas Canada's ratio was closer to 80 and 20 percent. OSB continues to dominate the U.S. Sheathing market at slightly more than 75 percent. However, Canada is more balanced at about 62 percent OSB and 38 percent plywood. U.S. and Canada both use lumber (predominantly Softwood) for about 58 percent of their Millwork; U.S. manufactured homes, however, predominantly use non-structural panels for Millwork (about 80%). In this report, Millwork refers specifically to non-structural, finished woodwork for the home. This includes but is not limited to flooring, wall finishes, cabinets, doors, exterior siding and trim, window and door frames, moldings, and stairway components.

TABLE 2
U.S. & Canadian New Residential Construction Market (2006)

	U.S.	U.S.	U.S.	CANADA	
	CONVENTIONAL	MANUFACTURED	TOTAL	CONVENTIONAL	TOTAL
FRAMING					
Lumber and Beams - Softwood, MMBF	20,955	901	21,856	2,372	24,228
Engineered Wood, MMBF	2,977	51	3,028	606	3,635
Lumber and Eng. Lumber Subtotal, MMBF	23,933	952	24,884	2,979	27,863
SHEATHING					
Plywood - Softwood, MMSF 3/8"	4,470	120	4,590	836	5,425
OSB, MMSF 3/8"	14,769	601	15,370	1,374	16,744
Structural Panel Subtotal, MMSF 3/8"	19,239	722	19,960	2,209	22,169
Non-structural Panel, MMSF 3/8"	405	48	453	32	485
Sheathing Subtotal, MMSF 3/8"	19,644	770	20,414	2,241	22,655
MILLWORK					
Lumber - Softwood, MMBF	1,965	48	2,013	230	2,243
Lumber - Hardwood, MMBF	1,415	24	1,440	203	1,643
Lumber Subtotal, MMBF	3,380	72	3,452	433	3,886
Plywood - Softwood, MMSF 3/8"	177	0	177	20	197
OSB, MMSF 3/8"	206	27	232	29	262
Structural Panel Subtotal, MMSF 3/8"	382	27	409	49	459
Plywood - Hardwood, MMSF 3/8"	172	13	184	10	194
Other Non-structural Panel, MMSF 3/8"	1,956	96	2,051	237	2,289
Millwork Panel Subtotal, MMSF 3/8"	2,510	136	2,645	296	2,942
SUMMARY OF ALL USE					
Lumber - Softwood, MMBF	22,920	949	23,869	2,602	26,471
Lumber - Hardwood, MMBF	1,415	24	1,440	203	1,643
Engineered Wood, MMBF	2,977	51	3,028	606	3,635
Total Lumber and Eng. Wood, MMBF	27,313	1,024	28,337	3,412	31,748
Plywood - Softwood, MMSF 3/8"	4,646	121	4,767	856	5,623
OSB, MMSF 3/8"	14,975	628	15,603	1,403	17,005
Total Structural Panel, MMSF 3/8"	19,621	749	20,370	2,259	22,628
Plywood - Hardwood, MMSF 3/8"	172	13	184	10	194
Other Non-structural Panel, MMSF 3/8"	2,361	144	2,505	269	2,774
Total Non-structural Panel, MMSF 3/8"	2,533	157	2,689	279	2,968

COMPARISON OF WOOD USAGE IN U.S. AND CANADA NEW RESIDENTIAL CONSTRUCTION FROM 2003 TO 2006

During the period from 2003 to 2006, overall wood usage in the U.S. and Canadian new residential construction markets experienced some interesting changes (see Table 3). Usage volume of dimensional lumber (softwood & hardwood) and engineered wood in this market grew from about 28.4 billion board feet (BBF) to about 31.7, or about 12 percent. Lumber usage in 2006 was primarily concentrated in Softwood, but usage in both hardwood and engineered wood experienced a higher percent of increase. Usage in Hardwood lumber grew from 1.1 to 1.6 BBF (or 53%); Engineered wood from 2.6 to 3.6 BBF (or 37%); and Softwood lumber from 24.7 to 26.5 BBF (or 7%). The growth in Hardwood lumber and Engineered wood, specifically, was somewhat expected due to their increased popularity – Hardwood lumber for its appearance and Engineered wood for its perceived performance and cost-effective characteristics.

The volume of 3/8-inch structural wood-panel usage also increased during this period from about 21.3 billion square feet (SF) to about 22.6, or about six percent. Softwood plywood experienced a five-percent decrease in usage (5.9 to 5.6 billion SF), but the 11-percent increase in OSB (15.4 to 17.0 billion SF) had a greater overall impact because it accounts for 75 percent of 3/8-inch structural wood-panel usage.

While wood usage in new residential construction grew in lumber, engineered wood, and 3/8-inch structural wood panels between 2003 and 2006, usage in 3/8-inch non-structural panels experienced a slight decline (approximately one percent). However, this decline had very little impact on wood-panel usage overall, given the small size of the decline and the small share of the wood-panel market non-structural wood panels represent in new residential construction (approximately 12 percent).

TABLE 3
U.S. & Canadian New Residential Construction Market (1995, 1998, 2003, 2006)

	1995	1998	2003	2006	CHANGE 1995-2006	CHANGE 1998-2006	CHANGE 2003-2006
FRAMING							
Lumber and Beams - Softwood, MMBF	15,697	20,033	22,431	24,228	54%	21%	8%
Engineered Wood, MMBF	952	2,140	2,647	3,635	282%	70%	37%
Lumber and Eng. Lumber Subtotal, MMBF	16,649	22,173	25,078	27,863	67%	26%	11%
SHEATHING							
Plywood - Softwood, MMSF 3/8"	5,337	5,545	5,630	5,425	2%	-2%	-4%
OSB, MMSF 3/8"	9,198	11,832	15,068	16,744	82%	42%	11%
Structural Panel Subtotal, MMSF 3/8"	14,535	17,377	20,698	22,169	53%	28%	7%
Non-structural Panel, MMSF 3/8"	644	1,104	656	485	-25%	-56%	-26%
Sheathing Subtotal, MMSF 3/8"	15,179	18,481	21,354	22,655	49%	23%	6%
MILLWORK							
Lumber - Softwood, MMBF	1,996	2,287	2,245	2,243	12%	-2%	0%
Lumber - Hardwood, MMBF	378	636	1,061	1,643	335%	158%	55%
Lumber Subtotal, MMBF	2,374	2,923	3,306	3,886	64%	33%	18%
Plywood - Softwood, MMSF 3/8"	272	280	260	197	-27%	-30%	-24%
OSB, MMSF 3/8"	176	179	310	262	49%	46%	-16%
Structural Panel Subtotal, MMSF 3/8"	448	459	570	459	2%	0%	-19%
Plywood - Hardwood, MMSF 3/8"	223	181	203	194	-13%	7%	-4%
Other Non-structural Panel, MMSF 3/8"	2,208	4,476	2,138	2,289	4%	-49%	7%
Millwork Panel Subtotal, MMSF 3/8"	2,879	5,116	2,911	2,942	2%	-42%	1%
SUMMARY OF ALL USE							
Lumber - Softwood, MMBF	17,693	22,320	24,676	26,471	50%	19%	7%
Lumber - Hardwood, MMBF	378	636	1,061	1,643	335%	158%	55%
Engineered Wood, MMBF	952	2,140	2,647	3,635	282%	70%	37%
Total Lumber and Eng. Wood, MMBF	19,023	25,096	28,384	31,748	67%	27%	12%
Plywood - Softwood, MMSF 3/8"	5,609	5,825	5,890	5,623	0%	-3%	-5%
OSB, MMSF 3/8"	9,374	12,011	15,378	17,005	81%	42%	11%
Total Structural Panel, MMSF 3/8"	14,983	17,836	21,268	22,628	51%	27%	6%
Plywood - Hardwood, MMSF 3/8"	223	181	203	194	-13%	7%	-4%
Other Non-structural Panel, MMSF 3/8"	2,852	5,580	2,794	2,774	-3%	-50%	-1%
Total Non-structural Panel, MMSF 3/8"	3,075	5,761	2,997	2,968	-3%	-48%	-1%

**COMPARISON OF WOOD USAGE PER SQUARE FOOT OF FLOOR AREA IN U.S. AND CANADA
NEW RESIDENTIAL CONSTRUCTION FROM 2003 TO 2006**

Table 4 provides the details for an analysis of wood product market penetration in the U.S. The scope was narrowed to the largest market, single-family homes, and the largest volume products, floor, wall and roof framing, and sheathing. This eliminates the effect of multifamily shifts, and it also removes the influence of outdoor structures and millwork. The average floor area of single-family units increased between 2003 and 2006, so gains in material-per-square-foot should increase at a more moderate rate or decrease at a greater rate. Wood-product usage per square foot of floor area experienced slight increases in Wall systems (2% increase), Roof systems (2.1% increase), and Structural and Sheathing (1% increase) and a three percent decrease in Floor systems.

These increases in material-per-square-foot across Wall systems, Roof systems and their respective Sheathing may be associated with the increase in the number of garages per new home (1.4%), the increase in the share of homes with covered porches (10.8%), and other add-on home features from 2003 to 2006 that are not included in the finished area of the home. These structures require roofs, floors, and sheathing just like the main structure of the home but are not included in calculations regarding finished space.

The three percent decrease in Floor systems can be attributed to increased concrete usage in structural floors between 2003 and 2006 (see Table 14). The share of Wood usage in Floor structures dropped from 64 to 60 percent, whereas the share of Concrete usage in Floor structures rose from 36 to 39 percent; Steel accounts for the remaining one percent.

TABLE 4
U.S. Single-family Wood Usage Per Square Foot of Floor Area (1995, 1998, 2003, 2006)

	Total Usage				Usage Per Sq Ft of Floor Area			
	1995	1998	2003	2006	1995	1998	2003	2006
Single-family Starts (millions)	1.076	1.271	1.500	1.465				
Residential Floor Area (millions sq ft)	2,152	2,637	3,322	3,511				
FLOOR SYSTEMS								
Lumber and Beams - Softwood, MMBF	1,767	2,510	2,132	1,954	0.82	0.95	0.64	0.56
Engineered Wood, MMBF	612	1,428	1,884	2,244	0.28	0.54	0.57	0.64
Subtotal, MMBF equivalent	2,379	3,938	4,016	4,199	1.11	1.49	1.21	1.20
Plywood - Softwood, MMSF 3/8"	1,605	1,891	1,774	1,372	0.75	0.72	0.53	0.39
OSB, MMSF 3/8"	1,310	2,147	2,775	3,185	0.61	0.81	0.84	0.91
Subtotal, MMSF 3/8" equivalent	2,915	4,038	4,549	4,557	1.35	1.53	1.37	1.30
WALL SYSTEMS								
Lumber and Beams - Softwood, MMBF	5,098	5,913	7,266	7,895	2.37	2.24	2.19	2.25
Engineered Wood, MMBF	104	147	265	229	0.05	0.06	0.08	0.07
Subtotal, MMBF equivalent	5,202	6,060	7,531	8,124	2.42	2.30	2.27	2.31
Plywood - Softwood, MMSF 3/8"	864	752	680	746	0.40	0.29	0.20	0.21
OSB, MMSF 3/8"	2,204	2,857	3,880	4,187	1.02	1.08	1.17	1.19
Subtotal, MMSF 3/8" equivalent	3,068	3,609	4,560	4,933	1.43	1.37	1.37	1.40
ROOF SYSTEMS								
Lumber and Beams - Softwood, MMBF	4,450	5,851	6,993	7,455	2.07	2.22	2.11	2.12
Engineered Wood, MMBF	85	108	81	161	0.04	0.04	0.02	0.05
Subtotal, MMBF equivalent	4,535	5,959	7,074	7,616	2.11	2.26	2.13	2.17
Plywood - Softwood, MMSF 3/8"	1,812	1,639	1,934	1,879	0.84	0.62	0.58	0.54
OSB, MMSF 3/8"	3,274	4,439	5,712	6,381	1.52	1.68	1.72	1.82
Subtotal, MMSF 3/8" equivalent	5,086	6,078	7,646	8,260	2.36	2.30	2.30	2.35
TOTAL STRUCTURAL & SHEATHING								
Lumber and Beams - Softwood, MMBF	11,315	14,274	16,391	17,305	5.26	5.41	4.93	4.93
Engineered Wood, MMBF	801	1,683	2,230	2,634	0.37	0.64	0.67	0.75
Total, MMBF equivalent	12,116	15,957	18,621	19,939	5.63	6.05	5.61	5.68
Plywood - Softwood, MMSF 3/8"	4,281	4,282	4,388	3,997	1.99	1.62	1.32	1.14
OSB, MMSF 3/8"	6,788	9,443	12,367	13,753	3.15	3.58	3.72	3.92
Total, MMSF 3/8" equivalent	11,069	13,725	16,755	17,750	5.14	5.20	5.04	5.06

Table 5 provides the details for an analysis of wood product market penetration in Canada. Again, the scope was narrowed to the largest market, single-family homes, and the largest volume products, floor, wall and roof framing, and sheathing. The average floor area of single-family units increased between 2003 and 2006, so gains in material-per-square-foot should increase at a more moderate rate or decrease at a greater rate. All categories of wood use experienced moderate increases in usage per square foot of floor area (Floor systems, 10.3%; Floor sheathing, 13.4%; Wall systems, 3.9%; Wall sheathing, 22.3%; Roof systems, 22.9%; and Roof sheathing, 11.7%).

Overall, Softwood plywood use experienced a 39 percent increase, primarily in Wall sheathing (52.2%) but also in Roof (37.5%) and Floor (36%) sheathing; OSB use experienced a three percent increase, primarily in Wall sheathing (15.2%) with decreases in both Floor (-1.6%) and Roof (-3.5%) sheathing; Softwood lumber use grew 5.6 percent, primarily in Roof systems (21.7%) but also in Wall systems (4.5%) with a decrease in Floor systems (-17.7%); and the share of Engineered wood usage rose 39.6 percent, primarily in Floor systems (42.4%) but also in Roof systems with a decrease in Wall systems (-15.1%).

The increased use of Engineered wood in Floor systems per square foot of floor area can be attributed to the following explanations. First, Engineered wood is known to be a particularly well-suited product for Floor systems and has been steadily gaining popularity in Canadian Floor systems over the past ten years; 2006 was no exception. Furthermore, between 2003 and 2006, Wood I-joists were the only material to increase their market share in Canadian Floor systems (+21.1%); Concrete, Steel, Lumber I-joists, and other wood products all experienced declines (-12.2%, -0.4%, -1.8%, and -7%, respectively). In addition to this market growth, Canadian Floor systems have also begun to incorporate higher shares of deeper I-joists (i.e., 12 inches or greater). I-joists in Canadian Floor systems measuring twelve inches deep rose 144 percent between 2003 and 2006; those measuring fourteen inches deep or greater grew 420 percent; and usage of both the smaller eight-inch and ten-inch I-joist depths declined (-100% and -22%, respectively).

TABLE 5
Canadian Single-family Wood Usage Per Square Foot of Floor Area (1995, 1998, 2003, 2006)

	Total Usage				Usage Per Sq Ft of Floor Area			
	1995	1998	2003	2006	1995	1998	2003	2006
Single-family Starts (millions)	0.084	0.112	0.157	0.157				
Residential Floor Area (millions sq ft)	154	210	284	292				
FLOOR SYSTEMS								
Lumber and Beams - Softwood, MMBF	231	215	314	266	1.50	1.02	1.11	0.91
Engineered Wood, MMBF	51	193	274	401	0.33	0.92	0.97	1.38
Subtotal, MMBF equivalent	282	408	588	667	1.84	1.94	2.07	2.29
Plywood - Softwood, MMSF 3/8"	100	198	219	306	0.65	0.94	0.77	1.05
OSB, MMSF 3/8"	148	173	332	336	0.97	0.83	1.17	1.15
Subtotal, MMSF 3/8" equivalent	248	371	551	642	1.62	1.77	1.94	2.20
WALL SYSTEMS								
Lumber and Beams - Softwood, MMBF	438	547	808	868	2.85	2.61	2.85	2.97
Engineered Wood, MMBF	2	8	23	20	0.01	0.04	0.08	0.07
Subtotal, MMBF equivalent	441	555	831	888	2.87	2.65	2.93	3.04
Plywood - Softwood, MMSF 3/8"	22	74	72	113	0.15	0.35	0.26	0.39
OSB, MMSF 3/8"	119	198	306	362	0.78	0.94	1.08	1.24
Subtotal, MMSF 3/8" equivalent	142	272	378	475	0.92	1.30	1.33	1.63
ROOF SYSTEMS								
Lumber and Beams - Softwood, MMBF	217	372	511	639	1.41	1.78	1.80	2.19
Engineered Wood, MMBF	1	11	6	14	0.01	0.05	0.02	0.05
Subtotal, MMBF equivalent	218	384	517	653	1.42	1.83	1.82	2.24
Plywood - Softwood, MMSF 3/8"	143	194	205	290	0.93	0.93	0.72	0.99
OSB, MMSF 3/8"	106	165	347	344	0.69	0.79	1.22	1.18
Subtotal, MMSF 3/8" equivalent	249	359	552	634	1.62	1.71	1.94	2.17
TOTAL STRUCTURAL & SHEATHING								
Lumber and Beams - Softwood, MMBF	886	1,134	1,633	1,773	5.77	5.41	5.75	6.07
Engineered Wood, MMBF	54	212	303	435	0.35	1.01	1.07	1.49
Total, MMBF equivalent	940	1,347	1,936	2,208	6.12	6.42	6.82	7.57
Plywood - Softwood, MMSF 3/8"	265	466	496	710	1.73	2.22	1.75	2.43
OSB, MMSF 3/8"	374	537	984	1,042	2.44	2.56	3.47	3.57
Total, MMSF 3/8" equivalent	639	1,003	1,481	1,752	4.16	4.78	5.22	6.00

COMPARISON OF U.S. SINGLE-FAMILY VS APARTMENTS

Table 6 shows an historical comparison of single family and apartment wood usage aggregated for the U.S. Wood usage in Framing increased overall by 10 percent and is comprised of 87.6 percent Softwood lumber (an increase of 7%) and 12.4 percent Engineered wood (an increase of 31%). Wood usage in Sheathing decreased overall by about one percent and is comprised of 22.8 percent Softwood plywood (a decrease of 8%), 75.1 percent OSB (an increase of 12%), and 2.1 percent non-structural panels (a decrease of 31%). Wood usage in Lumber Millwork increased overall by about 12.3 percent and is comprised of 58.1 percent Softwood lumber (a decrease of 4%) and 41.9 percent Hardwood lumber (an increase of 45%). Wood usage in Panel Millwork decreased overall by 0.5% and is comprised of 7.1 percent Softwood plywood (a decrease of 20%), 8.2 percent OSB (a decrease of 18%), 6.9 percent Hardwood plywood (a decrease of 5%), and 77.9 percent non-structural panels (an increase of 5%).

TABLE 6
U.S. Single-family & Apartment Construction Market (1995, 1998, 2003, 2006)

	1995	1998	2003	2006	CHANGE 1995-2006	CHANGE 1998-2006	CHANGE 2003-2006
FRAMING							
Lumber and Beams - Softwood, MMBF	13,255	16,582	19,517	20,955	58%	26%	7%
Engineered Wood, MMBF	894	1,876	2,274	2,977	233%	59%	31%
Lumber and Eng. Lumber Subtotal, MMBF	14,149	18,458	21,791	23,933	69%	30%	10%
SHEATHING							
Plywood - Softwood, MMSF 3/8"	4,960	4,650	4,863	4,470	-10%	-4%	-8%
OSB, MMSF 3/8"	7,282	10,193	13,202	14,769	103%	45%	12%
Structural Panel Subtotal, MMSF 3/8"	12,242	14,843	18,065	19,239	57%	30%	6%
Non-structural Panel, MMSF 3/8"	434	483	590	405	-7%	-16%	-31%
Sheathing Subtotal, MMSF 3/8"	12,676	15,326	18,655	19,644	55%	28%	5%
MILLWORK							
Lumber - Softwood, MMBF	1,863	2,076	2,037	1,965	5%	-5%	-4%
Lumber - Hardwood, MMBF	339	570	974	1,415	318%	148%	45%
Lumber Subtotal, MMBF	2,202	2,646	3,011	3,380	54%	28%	12%
Plywood - Softwood, MMSF 3/8"	263	261	220	177	-33%	-32%	-20%
OSB, MMSF 3/8"	175	110	252	206	17%	87%	-18%
Structural Panel Subtotal, MMSF 3/8"	438	371	472	382	-13%	3%	-19%
Plywood - Hardwood, MMSF 3/8"	219	154	180	172	-22%	12%	-5%
Other Non-structural Panel, MMSF 3/8"	2,126	3,983	1,871	1,956	-8%	-51%	5%
Millwork Panel Subtotal, MMSF 3/8"	2,783	4,508	2,523	2,510	-10%	-44%	-1%
SUMMARY OF ALL USE							
Lumber - Softwood, MMBF	15,118	18,658	21,554	22,920	52%	23%	6%
Lumber - Hardwood, MMBF	339	570	974	1,415	318%	148%	45%
Engineered Wood, MMBF	894	1,876	2,274	2,977	233%	59%	31%
Total Lumber and Eng. Wood, MMBF	16,351	21,104	24,802	27,313	67%	29%	10%
Plywood - Softwood, MMSF 3/8"	5,223	4,911	5,083	4,646	-11%	-5%	-9%
OSB, MMSF 3/8"	7,457	10,303	13,454	14,975	101%	45%	11%
Total Structural Panel, MMSF 3/8"	12,680	15,214	18,537	19,621	55%	29%	6%
Plywood - Hardwood, MMSF 3/8"	219	154	180	172	-22%	12%	-5%
Other Non-structural Panel, MMSF 3/8"	2,560	4,466	2,461	2,361	-8%	-47%	-4%
Total Non-structural Panel, MMSF 3/8"	2,779	4,620	2,641	2,533	-9%	-45%	-4%

Table 7 shows a comparison between single family and apartment wood usage in the U.S. for 2006. U.S. apartments generally use similar shares of the same wood products as single-family new construction across applications though at a much smaller volume (somewhere between 5% and 15%). The only major exception is OSB millwork – OSB is used far less frequently in apartment millwork (0.8% of panel millwork) than in the millwork of single-family homes (9.1%).

TABLE 7
U.S. Single-Family & Apartment Construction Market (2006)

	U.S. SINGLE-FAMILY	U.S. APARTMENT	U.S. TOTAL
FRAMING			
Lumber and Beams - Softwood, MMBF	19,260	1,695	20,955
Engineered Wood, MMBF	2,634	344	2,977
Lumber and Eng. Lumber Subtotal, MMBF	21,894	2,039	23,933
SHEATHING			
Plywood - Softwood, MMSF 3/8"	3,997	473	4,470
OSB, MMSF 3/8"	13,753	1,016	14,769
Structural Panel Subtotal, MMSF 3/8"	17,750	1,489	19,239
Non-structural Panel, MMSF 3/8"	384	21	405
Sheathing Subtotal, MMSF 3/8"	18,134	1,510	19,644
MILLWORK			
Lumber - Softwood, MMBF	1,782	182	1,965
Lumber - Hardwood, MMBF	1,298	118	1,415
Lumber Subtotal, MMBF	3,080	300	3,380
Plywood - Softwood, MMSF 3/8"	159	17	177
OSB, MMSF 3/8"	204	2	206
Structural Panel Subtotal, MMSF 3/8"	363	19	382
Plywood - Hardwood, MMSF 3/8"	150	22	172
Other Non-structural Panel, MMSF 3/8"	1,732	224	1,956
Millwork Panel Subtotal, MMSF 3/8"	2,245	265	2,510
SUMMARY OF ALL USE			
Lumber - Softwood, MMBF	21,043	1,878	22,920
Lumber - Hardwood, MMBF	1,298	118	1,415
Engineered Wood, MMBF	2,634	344	2,977
Total Lumber and Eng. Wood, MMBF	24,974	2,339	27,313
Plywood - Softwood, MMSF 3/8"	4,156	490	4,646
OSB, MMSF 3/8"	13,957	1,017	14,975
Total Structural Panel, MMSF 3/8"	18,113	1,508	19,621
Plywood - Hardwood, MMSF 3/8"	150	22	172
Other Non-structural Panel, MMSF 3/8"	2,116	245	2,361
Total Non-structural Panel, MMSF 3/8"	2,266	267	2,533

Table 8 shows a comparison between single-family and apartment wood usage for 2006 by region. The South census region accounts for the highest share of U.S. wood product use in the following: Framing (49%), Sheathing (48%), Lumber millwork (46%), and Panel millwork (41%). The South census region accounts for the following wood use: Softwood lumber (50%), Hardwood lumber (50%), Engineered wood (37%), total Lumber and Engineered wood (48%), Structural panel (47%), Non-structural panel (46%). The West census region accounts for the highest share of structural panel millwork (50%).

Regional rankings:

- Lumber and engineered wood framing – South (49%), West (25%), Midwest (16%), Northeast (10%)
- Panel sheathing – South (48%), West (25%), Midwest (16%), Northeast (11%)
- Lumber millwork – South (46%), West (22%), Midwest (17%), Northeast (15%)
- Structural panel millwork – West (50%), Midwest (27%), South (18%), Northeast (5%)
- Panel millwork – South (41%), West (37%), Midwest (16%), Northeast (6%)
- Softwood lumber – South (50%), West (24%), Midwest (16%), Northeast (10%)
- Hardwood lumber – South (50%), West (19%), Northeast (17%), Midwest (15%)
- Engineered wood – South (37%), West (31%), Midwest (18%), Northeast (14%)
- Total lumber and engineered wood – South (48%), West (24%), Midwest (16%), Northeast (11%)
- Structural panel – South (47%), West (25%), Midwest (16%), Northeast (11%)
- Non-structural panel – South (46%), West (32%), Midwest (15%), Northeast (7%)

All regions use softwood lumber for at least 80 percent of their Framing work. The Northeast census region uses Softwood plywood for at least 20 percent more of its sheathing work than the other three census regions (and, consequently, less OSB). Other specified wood use is proportionately similar across the different census regions.

TABLE 8
U.S. Single-Family & Apartment Construction Market by Region (2006)

	NORTHEAST	MIDWEST	SOUTH	WEST	U.S.
FRAMING					
Lumber and Beams - Softwood, MMBF	2,061	3,309	10,581	5,004	20,955
Engineered Wood, MMBF	427	535	1,091	925	2,977
Lumber and Eng. Lumber Subtotal, MMBF	2,488	3,844	11,673	5,929	23,933
<i>Regional Share</i>	<i>10%</i>	<i>16%</i>	<i>49%</i>	<i>25%</i>	<i>100%</i>
SHEATHING					
Plywood - Softwood, MMSF 3/8"	899	655	1,745	1,171	4,470
OSB, MMSF 3/8"	1,200	2,459	7,498	3,611	14,769
Structural Panel Subtotal, MMSF 3/8"	2,099	3,114	9,244	4,782	19,239
Non-structural Panel, MMSF 3/8"	24	98	208	75	405
Sheathing Subtotal, MMSF 3/8"	2,123	3,212	9,452	4,857	19,644
<i>Regional Share</i>	<i>11%</i>	<i>16%</i>	<i>48%</i>	<i>25%</i>	<i>100%</i>
MILLWORK					
Lumber - Softwood, MMBF	257	357	854	496	1,965
Lumber - Hardwood, MMBF	234	209	710	263	1,415
Lumber Subtotal, MMBF	491	566	1,564	760	3,380
<i>Regional Share</i>	<i>15%</i>	<i>17%</i>	<i>46%</i>	<i>22%</i>	<i>100%</i>
Plywood - Softwood, MMSF 3/8"	17	27	37	95	177
OSB, MMSF 3/8"	3	75	32	96	206
Structural Panel Subtotal, MMSF 3/8"	19	102	69	191	382
<i>Regional Share</i>	<i>5%</i>	<i>27%</i>	<i>18%</i>	<i>50%</i>	<i>100%</i>
Plywood - Hardwood, MMSF 3/8"	18	24	81	49	172
Other Non-structural Panel, MMSF 3/8"	126	265	882	683	1,956
Millwork Panel Subtotal, MMSF 3/8"	163	391	1,033	923	2,510
<i>Regional Share</i>	<i>6%</i>	<i>16%</i>	<i>41%</i>	<i>37%</i>	<i>100%</i>
SUMMARY OF ALL USE					
Lumber - Softwood, MMBF	2,318	3,666	11,435	5,500	22,920
<i>Regional Share</i>	<i>10%</i>	<i>16%</i>	<i>50%</i>	<i>24%</i>	<i>100%</i>
Lumber - Hardwood, MMBF	234	209	710	263	1,415
<i>Regional Share</i>	<i>17%</i>	<i>15%</i>	<i>50%</i>	<i>19%</i>	<i>100%</i>
Engineered Wood, MMBF	427	535	1,091	925	2,977
<i>Regional Share</i>	<i>14%</i>	<i>18%</i>	<i>37%</i>	<i>31%</i>	<i>100%</i>
Total Lumber and Eng. Wood, MMBF	2,979	4,410	13,236	6,688	27,313
<i>Regional Share</i>	<i>11%</i>	<i>16%</i>	<i>48%</i>	<i>24%</i>	<i>100%</i>
Plywood - Softwood, MMSF 3/8"	915	682	1,783	1,266	4,646
OSB, MMSF 3/8"	1,203	2,534	7,531	3,707	14,975
Total Structural Panel, MMSF 3/8"	2,118	3,216	9,313	4,973	19,621
<i>Regional Share</i>	<i>11%</i>	<i>16%</i>	<i>47%</i>	<i>25%</i>	<i>100%</i>
Plywood - Hardwood, MMSF 3/8"	18	24	81	49	172
Other Non-structural Panel, MMSF 3/8"	150	363	1,091	758	2,361
Total Non-structural Panel, MMSF 3/8"	168	387	1,172	807	2,533
<i>Regional Share</i>	<i>7%</i>	<i>15%</i>	<i>46%</i>	<i>32%</i>	<i>100%</i>

COMPARISON OF CANADIAN SINGLE-FAMILY VS APARTMENTS

Table 9 shows an historical comparison of single family and apartment wood usage aggregated for Canada. Wood usage in Framing increased overall by 33 percent and is comprised of 79.6 percent Softwood lumber (an increase of 23%) and 20.3 percent Engineered wood (an increase of 95%). Wood usage in Sheathing increased overall by about 11 percent and is comprised of 61.3 percent OSB (an increase of 26%), 37.3 percent Softwood plywood (an increase of 26%), and 1.4 percent non-structural panels (a decrease of 90%). Wood usage in Lumber Millwork increased overall by 104 percent and is comprised of 53.1 percent Softwood (an increase of 56%) and 46.9 percent Hardwood (an increase of 217%) lumber. Wood usage in Panel Millwork increased overall by 19.4 percent and is comprised of 80.0 percent Non-structural panels (an increase of 37%), 9.8 percent OSB (an increase of 46%), 6.8 percent Softwood plywood (a decrease of 47%), and 3.4 percent Hardwood plywood (a decrease of 44%). These figures reveal that the Canadian Millwork market has experienced different directions of net change in General Wood-Panel use (19%) and Structural wood-panel use, specifically (-15%).

TABLE 9
Canadian Single-family & Apartment Construction Market (1995, 1998, 2003, 2006)

	1995	1998	2003	2006	CHANGE 1995-2006	CHANGE 1998-2006	CHANGE 2003-2006
FRAMING							
Lumber and Beams - Softwood, MMBF	912	1,378	1,927	2,372	160%	72%	23%
Engineered Wood, MMBF	58	232	311	606	946%	161%	95%
Lumber and Eng. Lumber Subtotal, MMBF	970	1,610	2,238	2,979	207%	85%	33%
SHEATHING							
Plywood - Softwood, MMSF 3/8"	264	491	605	836	217%	70%	38%
OSB, MMSF 3/8"	391	565	1,092	1,374	251%	143%	26%
Structural Panel Subtotal, MMSF 3/8"	655	1,056	1,697	2,209	237%	109%	30%
Non-structural Panel, MMSF 3/8"	18	222	42	32	77%	-86%	-24%
Sheathing Subtotal, MMSF 3/8"	673	1,278	1,739	2,241	233%	75%	29%
MILLWORK							
Lumber - Softwood, MMBF	133	161	148	230	73%	43%	56%
Lumber - Hardwood, MMBF	39	44	64	203	421%	361%	217%
Lumber Subtotal, MMBF	172	205	212	433	152%	111%	104%
Plywood - Softwood, MMSF 3/8"	9	17	38	20	125%	19%	-47%
OSB, MMSF 3/8"	1	4	20	29	2825%	631%	46%
Structural Panel Subtotal, MMSF 3/8"	10	21	58	49	395%	136%	-15%
Plywood - Hardwood, MMSF 3/8"	4	4	17	10	140%	140%	-44%
Other Non-structural Panel, MMSF 3/8"	82	151	173	237	189%	57%	37%
Millwork Panel Subtotal, MMSF 3/8"	96	176	248	296	209%	68%	20%
SUMMARY OF ALL USE							
Lumber - Softwood, MMBF	1,045	1,539	2,075	2,602	149%	69%	25%
Lumber - Hardwood, MMBF	39	44	64	203	421%	361%	217%
Engineered Wood, MMBF	58	232	311	606	946%	161%	95%
Total Lumber and Eng. Wood, MMBF	1,142	1,815	2,450	3,412	199%	88%	39%
Plywood - Softwood, MMSF 3/8"	273	508	643	856	213%	68%	33%
OSB, MMSF 3/8"	392	569	1,112	1,403	258%	147%	26%
Total Structural Panel, MMSF 3/8"	665	1,077	1,755	2,259	240%	110%	29%
Plywood - Hardwood, MMSF 3/8"	4	4	17	10	140%	140%	-44%
Other Non-structural Panel, MMSF 3/8"	100	373	215	269	169%	-28%	25%
Total Non-structural Panel, MMSF 3/8"	104	377	232	279	168%	-26%	20%

Table 10 shows a comparison between single family and apartment wood usage for 2006. Canadian apartments generally use similar shares of the same wood products as single-family new construction across applications though at a much smaller volume (somewhere between 18% and 40%). There were no major exceptions to this finding.

TABLE 10
Canadian Single-Family vs Apartments (2006)

	SINGLE-FAMILY	APARTMENT	CANADA
FRAMING			
Lumber and Beams - Softwood, MMBF	1,937	435	2,372
Engineered Wood, MMBF	435	171	606
Lumber and Eng. Lumber Subtotal, MMBF	2,372	607	2,979
SHEATHING			
Plywood - Softwood, MMSF 3/8"	710	126	836
OSB, MMSF 3/8"	1,042	332	1,374
Structural Panel Subtotal, MMSF 3/8"	1,752	458	2,209
Non-structural Panel, MMSF 3/8"	24	8	32
Sheathing Subtotal, MMSF 3/8"	1,776	466	2,241
MILLWORK			
Lumber - Softwood, MMBF	172	58	230
Lumber - Hardwood, MMBF	161	42	203
Lumber Subtotal, MMBF	333	100	433
Plywood - Softwood, MMSF 3/8"	16	4	20
OSB, MMSF 3/8"	24	5	29
Structural Panel Subtotal, MMSF 3/8"	40	9	49
Plywood - Hardwood, MMSF 3/8"	8	2	10
Other Non-structural Panel, MMSF 3/8"	181	56	237
Millwork Panel Subtotal, MMSF 3/8"	229	67	296
SUMMARY OF ALL USE			
Lumber - Softwood, MMBF	2,109	493	2,602
Lumber - Hardwood, MMBF	161	42	203
Engineered Wood, MMBF	435	171	606
Total Lumber and Eng. Wood, MMBF	2,705	707	3,412
Plywood - Softwood, MMSF 3/8"	1,066	336	1,403
OSB, MMSF 3/8"	1,792	467	2,259
Total Structural Panel, MMSF 3/8"	2,858	803	3,662
Plywood - Hardwood, MMSF 3/8"	181	56	237
Other Non-structural Panel, MMSF 3/8"	2,005	533	2,538
Total Non-structural Panel, MMSF 3/8"	2,185	589	2,775

Table 11 shows a comparison between single family and apartment wood usage for 2006 by region. The East Canadian region accounted for more wood-product use than the West Canadian region in the following: Framing (54%), Sheathing (54%), Lumber millwork (54%), and Structural panel work (52%). The Eastern Canadian region also generally used larger amounts of specific wood products than the West region, with the exception of Engineered wood.

TABLE 11
Canadian Single-Family by Region (2006)

	EAST	WEST	CANADA
FRAMING			
Lumber and Beams - Softwood, MMBF	1,123	814	1,937
Engineered Wood, MMBF	164	271	435
Lumber and Eng. Lumber Subtotal, MMBF	1,287	1,085	2,372
<i>Regional Share</i>	54%	46%	100%
SHEATHING			
Plywood - Softwood, MMSF 3/8"	468	242	710
OSB, MMSF 3/8"	466	576	1,042
Structural Panel Subtotal, MMSF 3/8"	933	818	1,752
Non-structural Panel, MMSF 3/8"	19	5	24
Sheathing Subtotal, MMSF 3/8"	953	823	1,776
<i>Regional Share</i>	54%	46%	100%
MILLWORK			
Lumber - Softwood, MMBF	85	87	172
Lumber - Hardwood, MMBF	95	66	161
Lumber Subtotal, MMBF	180	153	333
<i>Regional Share</i>	54%	46%	100%
Plywood - Softwood, MMSF 3/8"	5	11	16
OSB, MMSF 3/8"	16	8	24
Structural Panel Subtotal, MMSF 3/8"	21	19	40
<i>Regional Share</i>	52%	48%	100%
Plywood - Hardwood, MMSF 3/8"	3	5	8
Other Non-structural Panel, MMSF 3/8"	107	74	181
Millwork Panel Subtotal, MMSF 3/8"	131	98	229
<i>Regional Share</i>	57%	43%	100%
SUMMARY OF ALL USE			
Lumber - Softwood, MMBF	1,208	901	2,109
<i>Regional Share</i>	57%	43%	100%
Lumber - Hardwood, MMBF	95	66	161
<i>Regional Share</i>	59%	41%	100%
Engineered Wood, MMBF	164	271	435
<i>Regional Share</i>	38%	62%	100%
Total Lumber and Eng. Wood, MMBF	1,467	1,238	2,705
<i>Regional Share</i>	54%	46%	100%
Plywood - Softwood, MMSF 3/8"	472	253	725
OSB, MMSF 3/8"	482	584	1,066
Total Structural Panel, MMSF 3/8"	954	837	1,792
<i>Regional Share</i>	53%	47%	100%
Plywood - Hardwood, MMSF 3/8"	3	5	8
Other Non-structural Panel, MMSF 3/8"	126	78	205
Total Non-structural Panel, MMSF 3/8"	129	84	213
<i>Regional Share</i>	61%	39%	100%

COMPARISON OF WOOD USAGE IN U.S. MANUFACTURED HOUSING

Table 12 shows an historical comparison of aggregated wood usage in manufactured housing. The apparent general pattern of change is one of decline, the only exceptions being non-structural panel – with percent increases above 100% in both Sheathing and Hardwood plywood use in Millwork and a two percent increase in other non-structural panel millwork – Hardwood lumber use, with a six percent in millwork as well.

TABLE 12
U.S. Manufactured Housing Construction Market (2003 & 2006)

	1995	1998	2003	2006	CHANGE 1995-2006	CHANGE 1998-2006	CHANGE 2003-2006
FRAMING							
Lumber and Beams - Softwood, MMBF	1,530	2,073	987	901	-41%	-57%	-9%
Engineered Wood, MMBF	na	32	62	51	na	58%	-18%
Lumber and Eng. Lumber Subtotal, MMBF	1,530	2,105	1,049	952	-38%	-55%	-9%
SHEATHING							
Plywood - Softwood, MMSF 3/8"	113	404	162	120	6%	-70%	-26%
OSB, MMSF 3/8"	1,525	1,074	774	601	-61%	-44%	-22%
Structural Panel Subtotal, MMSF 3/8"	1,638	1,478	936	722	-56%	-51%	-23%
Non-structural Panel, MMSF 3/8"	192	399	24	48	-75%	-88%	101%
Sheathing Subtotal, MMSF 3/8"	1,830	1,877	960	770	-58%	-59%	-20%
MILLWORK							
Lumber - Softwood, MMBF	na	50	60	48	na	-5%	-20%
Lumber - Hardwood, MMBF	na	22	23	24	na	11%	6%
Lumber Subtotal, MMBF	na	72	83	72	na	0%	-13%
Plywood - Softwood, MMSF 3/8"	na	2	2	0	na	-77%	-77%
OSB, MMSF 3/8"	na	65	38	27	na	-59%	-30%
Structural Panel Subtotal, MMSF 3/8"	na	67	40	27	na	-59%	-32%
Plywood - Hardwood, MMSF 3/8"	na	23	6	13	na	-45%	110%
Other Non-structural Panel, MMSF 3/8"	na	342	94	96	na	-72%	2%
Millwork Panel Subtotal, MMSF 3/8"	na	432	140	136	na	-69%	-3%
SUMMARY OF ALL USE							
Lumber - Softwood, MMBF	1,530	2,123	1,047	949	-38%	-55%	-9%
Lumber - Hardwood, MMBF	na	22	23	24	na	11%	6%
Engineered Wood, MMBF	na	32	62	51	na	58%	-18%
Total Lumber and Eng. Wood, MMBF	1,530	2,177	1,132	1,024	-33%	-53%	-10%
Plywood - Softwood, MMSF 3/8"	113	406	164	121	7%	-70%	-26%
OSB, MMSF 3/8"	1,525	1,139	812	628	-59%	-45%	-23%
Total Structural Panel, MMSF 3/8"	1,638	1,545	976	749	-54%	-52%	-23%
Plywood - Hardwood, MMSF 3/8"	na	23	6	13	na	-45%	110%
Other Non-structural Panel, MMSF 3/8"	192	741	118	144	-25%	-81%	22%
Total Non-structural Panel, MMSF 3/8"	192	764	124	157	-18%	-79%	26%

Table 13 provides the details for an analysis of wood product market penetration in U.S. manufactured housing. Again, the scope was narrowed to the largest market, single-family homes, and the largest volume products, floor, wall and roof framing, and sheathing. The average floor area of single-family units decreased between 2003 and 2006, so gains in material-per-square-foot should increase at a greater rate or decrease at a lesser rate. Wood products experienced slight to moderate increases in usage per square foot of floor area in Framing (2%), Lumber Millwork (3%), and Panel Millwork (9%) and 10 percent decrease in Sheathing.

Wood sheathing product usage per square foot of floor area decreased as a result of the increased use of non-structural wall sheathing products, such as fiberboard, fiber cement, and foam, and a return to particleboard subflooring instead of OSB. This demonstrates an opportunity for structural panel products to regain market share in the manufacturing housing sector. However, in general, it appears that wood products are maintaining their hold on considerable shares in this market.

TABLE 13
U.S. Manufactured Housing Wood Usage Per Square Foot of Floor Area (1995, 1998, 2003, 2006)

	Total Usage				Usage Per Sq Ft of Floor Area			
	1995	1998	2003	2006	1995	1998	2003	2006
Manufactured Home Shipments (millions)	0.340	0.373	0.131	0.117				
Residential Floor Area (millions sq ft)	462	543	212	188				
FRAMING								
Lumber and Beams - Softwood, MMBF	1,530	2,073	987	901	3.31	3.82	4.66	4.79
Engineered Wood, MMBF	na	32	62	51	na	0.06	0.29	0.27
Lumber and Eng. Lumber Subtotal, MMBF	1,530	2,105	1,049	952	3.31	3.88	4.95	5.05
SHEATHING								
Plywood - Softwood, MMSF 3/8"	113	404	162	120	0.24	0.74	0.76	0.64
OSB, MMSF 3/8"	1,525	1,074	774	601	3.30	1.98	3.65	3.19
Structural Panel Subtotal, MMSF 3/8"	1,638	1,478	936	722	3.54	2.72	4.42	3.83
Non-structural Panel, MMSF 3/8"	192	399	24	48	0.42	0.73	0.11	0.26
Sheathing Subtotal, MMSF 3/8"	1,830	1,877	960	770	3.96	3.46	4.53	4.09
MILLWORK								
Lumber - Softwood, MMBF	na	50	60	48	na	0.09	0.28	0.25
Lumber - Hardwood, MMBF	na	22	23	24	na	0.04	0.11	0.13
Lumber Subtotal, MMBF	na	72	83	72	na	0.13	0.39	0.38
Plywood - Softwood, MMSF 3/8"	na	2	2	0	na	0.00	0.01	0.00
OSB, MMSF 3/8"	na	65	38	27	na	0.12	0.18	0.14
Structural Panel Subtotal, MMSF 3/8"	na	67	40	27	na	0.12	0.19	0.14
Plywood - Hardwood, MMSF 3/8"	na	23	6	13	na	0.04	0.03	0.07
Other Non-structural Panel, MMSF 3/8"	na	342	94	96	na	0.63	0.44	0.51
Millwork Panel Subtotal, MMSF 3/8"	na	432	140	136	na	0.80	0.66	0.72
SUMMARY OF ALL USE								
Lumber - Softwood, MMBF	1,530	2,123	1,047	949	3.31	3.91	4.94	5.04
Lumber - Hardwood, MMBF	na	22	23	24	na	0.04	0.11	0.13
Engineered Wood, MMBF	na	32	62	51	na	0.06	0.29	0.27
Total Lumber and Eng. Wood, MMBF	1,530	2,177	1,132	1,024	3.31	4.01	5.34	5.44
Plywood - Softwood, MMSF 3/8"	113	406	164	121	0.24	0.75	0.77	0.64
OSB, MMSF 3/8"	1,525	1,139	812	628	3.30	2.10	3.83	3.34
Total Structural Panel, MMSF 3/8"	1,638	1,545	976	749	3.54	2.85	4.61	3.98
Plywood - Hardwood, MMSF 3/8"	na	23	6	13	na	0.04	0.03	0.07
Other Non-structural Panel, MMSF 3/8"	192	741	118	144	0.42	1.36	0.56	0.77
Total Non-structural Panel, MMSF 3/8"	192	764	124	157	0.42	1.41	0.59	0.83

COMPETITIVE MATERIALS

Each category of wood products in the foregoing review competes with non-wood products. Among structural materials, wood competes primarily with concrete and steel. In non-structural applications, wood competes largely with polymer and composite materials. One potential avenue for growing the usage of wood products in the new residential construction market is to take share from competitive products through improvements in product design, performance, and marketing efforts. This section is a summary of market share comparisons in applications where wood products and materials can gain the most from capturing greater market shares.

OVERALL TRENDS OF WOOD, STEEL, AND CONCRETE/MASONRY USAGE

Table 14 shows an historical comparison of Wood, Steel, and Concrete/Masonry usage in U.S. single-family homes and apartments. Across all four categories, Wood has consistently held and still maintains the majority share of the market (Floor structure, 60%; Exterior wall structure, 89%; Interior wall structure, 95%; and Roof structure, 100%) and has experienced a steady increase in use between 1995 and 2006. However, in this same period, the shares of the different markets comprised of Wood usage have fluctuated to some degree (see Table 14). Wood usage in Floor structures fell five percent between 1998 and 2003 and fell another four percent between 2003 and 2006. Floor structure is already the best opportunity for gained market share because it is Wood's smallest majority of the four, but the decreasing trend since 1998 extenuates the need to take advantage of that opportunity.

Wood usage in Exterior wall structure experienced a three percent increase between 2003 and 2006; wood usage in Interior wall structure and Roof structure remained the same. Wood maintained a vast majority share in all three.

TABLE 14
U.S. Single-family & Apartment Wood, Steel and Concrete/Masonry Usage (1995, 1998, 2003, 2006)

	1995		1998		2003		2006	
	USAGE	SHARE	USAGE	SHARE	USAGE	SHARE	USAGE	SHARE
FLOOR STRUCTURE								
Wood, MMSF	1,538	62%	2,095	69%	2,293	64%	2,365	60%
Steel, MMSF	18	1%	13	0%	13	0%	21	1%
Concrete/Masonry, MMSF	915	37%	910	30%	1,301	36%	1,557	39%
Total, MMSF	2,471	100%	3,018	100%	3,607	100%	3,943	100%
EXTERIOR WALL STRUCTURE								
Wood, MMLF	290	86%	357	88%	410	86%	444	89%
Steel, MMLF	1	0%	2	1%	2	0%	1	0%
Concrete/Masonry, MMLF	45	13%	48	12%	62	13%	53	11%
Total, MMLF	337	100%	406	100%	474	100%	498	100%
INTERIOR WALL STRUCTURE								
Wood, MMLF	259	98%	310	95%	372	95%	392	95%
Steel, MMLF	6	2%	16	5%	18	5%	20	5%
Concrete/Masonry, MMLF	0	0%	2	1%	1	0%	2	0%
Total, MMLF	265	100%	327	100%	391	100%	414	100%
ROOF STRUCTURE								
Wood, MMSF	2,628	100%	3,143	100%	3,757	100%	3,950	100%
Steel, MMSF	5	0%	9	0%	4	0%	10	0%
Total, MMSF	2,633	100%	3,152	100%	3,761	100%	3,960	100%

STRUCTURAL FRAMING MATERIALS

Table 15 is a summary of market shares of lumber and its competitors expressed in board feet (BF) for lumber and board-foot equivalent for non-lumber materials. From the table, we gather that Softwood lumber and beams is the material of choice in both the U.S. and Canadian markets for Structural Walls (90%), Structural Roofs (98%), and Total Structural Assemblies (74%). However, with regard to Structural-floor material preferences, we see more variety. Concrete emerges as the preferred material with regard to structural floors in the U.S. Conventional market; Engineered lumber is the preferred material in the Canadian Conventional market; and Softwood lumber and beams is the preferred material in the U.S. manufactured new construction market. This Structural-floors category appears to possess the greatest opportunity for market share gain given the tight distribution of shares between Softwood lumber and beams, Engineered wood, and Concrete.

TABLE 15
Comparison of Structural Framing by Materials Type (2006)

	U.S. CONVENTIONAL	U.S. MANUFACTURED	U.S. TOTAL	CANADA CONVENTIONAL	TOTAL	SHARE
STRUCTURAL FLOORS						
Lumber and Beams - Softwood, MMBF	2,275	202	2,477	319	2,796	31%
Engineered Wood, MMBF	2,545	44	2,589	564	3,153	35%
Concrete, MMBF equivalent	3,063	0	3,063	27	3,089	34%
Steel, MMBF equivalent	42	0	42	1	43	0%
Subtotal, MMBF equivalent	7,924	246	8,170	911	9,082	100%
STRUCTURAL WALLS						
Lumber and Beams - Softwood, MMBF	8,822	316	9,137	1,126	10,264	90%
Engineered Wood, MMBF	253	1	253	25	278	2%
Concrete, MMBF equivalent	560	0	560	32	592	5%
Steel, MMBF equivalent	220	0	220	23	243	2%
Subtotal, MMBF equivalent	9,854	317	10,171	1,206	11,377	100%
STRUCTURAL ROOFS						
Lumber and Beams - Softwood, MMBF	7,889	383	8,273	745	9,017	98%
Engineered Wood, MMBF	180	6	186	18	203	2%
Steel, MMBF equivalent	19	0	19	0	19	0%
Subtotal, MMBF equivalent	8,088	389	8,477	762	9,239	100%
TOTAL STRUCTURAL ASSEMBLIES¹						
Lumber and Beams - Softwood, MMBF	18,986	901	19,887	2,190	22,077	74%
Engineered Wood, MMBF	2,977	51	3,028	606	3,635	12%
Concrete, MMBF equivalent	3,623	0	3,623	58	3,681	12%
Steel, MMBF equivalent	281	0	281	24	305	1%
Total, MMBF equivalent	25,866	952	26,818	2,879	29,698	100%

¹ Excludes outdoor structures and millwork

SHEATHING MATERIALS & UNDERLAYMENT

Table 16 is a summary of the sheathing material market shares of wood panels and their competitors expressed in square feet for wood products and square-foot equivalent for non-wood materials. Overall, Structural wood panels are much more common than Non-structural wood panels for sheathing applications in both the U.S. and Canadian new residential construction markets (see Table 16). In fact, Structural wood panels appear to compete more with Concrete (particularly in Floor sheathing and underlayment) and Foam (particularly in Wall sheathing) than their Non-structural wood-panel counterparts. Thus, on the surface, there seems to be opportunity for Non-structural wood panels to capture market share in any of the categories listed below since it consistently has the smallest market share.

TABLE 16
Comparison of Sheathing by Materials Type (2006)

	U.S. CONVENTIONAL	U.S. MANUFACTURED	U.S. TOTAL	CANADA CONVENTIONAL	TOTAL	SHARE
FLOOR SHEATHING & UNDERLAYMENT						
Structural Wood Panels, MMSF 3/8"	5,161	232	5,393	821	6,214	63%
Non-structural Wood Panels, MMSF 3/8"	198	14	212	17	229	2%
Concrete/None, MMSF 3/8" equivalent	3,376	0	3,376	25	3,401	35%
Subtotal, MMSF 3/8" equivalent	8,735	246	8,981	863	9,844	100%
WALL SHEATHING						
Structural Wood Panels, MMSF 3/8"	5,256	134	5,389	608	5,997	71%
Non-structural Wood Panels, MMSF 3/8"	207	34	241	15	256	3%
Concrete/None, MMSF 3/8" equivalent	416	0	416	22	438	5%
Foam and Other, MMSF 3/8" equivalent	1,447	111	1,558	180	1,738	21%
Subtotal, MMSF 3/8" equivalent	7,325	279	7,605	824	8,429	100%
ROOF SHEATHING						
Structural Wood Panels, MMSF 3/8"	8,822	356	9,178	781	9,959	100%
Non-structural Wood Panels, MMSF 3/8"	0	0	0	0	0	0%
Subtotal, MMSF 3/8" equivalent	8,822	356	9,178	781	9,959	100%
TOTAL SHEATHING						
Structural Wood Panels, MMSF 3/8"	19,239	722	19,960	2,209	22,169	79%
Non-structural Wood Panels, MMSF 3/8"	405	48	453	32	485	2%
Concrete/None, MMSF 3/8" equivalent	3,792	0	3,792	47	3,839	14%
Foam and Other, MMSF 3/8" equivalent	1,447	111	1,558	180	1,738	6%
Total, MMSF 3/8" equivalent	24,883	881	25,764	2,468	28,232	100%

OUTDOOR STRUCTURE MATERIALS

Another new residential construction application where wood products have the potential to gain market share is in outdoor structures. For this analysis, the outdoor-structures category consists of deck surfaces, porch surfaces, fencing material, and landscape walls. Table 17 is a summary of these different outdoor structures and their market shares of wood materials and their competitors expressed in board feet for wood products and board-foot equivalents for non-wood materials. Overall, Lumber and Timber account for 45 percent of the outdoor material market—only slightly more than Stone, Brick, and Concrete which together account for 44 percent. This narrow difference represents an opportunity for wood products to gain additional market share. Lumber already has a strong hold on deck surfaces, accounting for 74 percent of the market share, but has ample room to grow in Fencing (60%), Porch Surfaces (17%), and Landscape Walls (11%).

TABLE 17
Comparison of Outdoor Structures by Materials Type (2006)

	U.S. CONVENTIONAL	U.S. MANUFACTURED	U.S. TOTAL	CANADA CONVENTIONAL	TOTAL	SHARE
DECK SURFACES						
Lumber - Regular, MMBF	23	na	23	3	26	15%
Lumber - Treated, MMBF	94	na	94	10	104	59%
Plastic and Composite, MMBF	43	na	43	4	47	26%
Subtotal, MMBF equivalent	160	na	160	17	177	100%
PORCH SURFACES						
Lumber - Regular, MMBF	44	na	44	3	47	17%
Lumber - Treated, MMBF	29	na	29	4	33	12%
Plastic and Composite, MMBF	27	na	27	1	28	10%
Stone, Brick and Concrete, MMBF equivalent	171	na	171	4	174	62%
Subtotal, MMBF equivalent	271	na	271	11	283	100%
FENCING TYPE / MATERIAL						
Wood, MMBF	342	na	342	7	349	60%
Metal, MMBF equivalent	32	na	32	3	35	6%
Plastic and Composite, MMBF	30	na	30	0	30	5%
Stone, Brick and Concrete, MMBF equivalent	166	na	166	2	168	29%
Subtotal, MMBF equivalent	570	na	570	12	582	100%
LANDSCAPE WALLS						
Wood timbers, MMBF	26	na	26	1	27	11%
Stone, Brick and Concrete, MMBF equivalent	208	na	208	14	222	89%
Subtotal, MMBF equivalent	234	na	234	15	249	100%
TOTAL OUTDOOR STRUCTURES						
Lumber/Timbers, MMBF	558	na	558	29	587	45%
Plastic and Composite, MMBF	101	na	101	5	105	8%
Metal, MMBF equivalent	32	na	32	3	35	3%
Stone, Brick and Concrete, MMBF equivalent	545	na	545	19	564	44%
Total, MMBF equivalent	1,235	na	1,235	55	1,290	100%

WHERE TO GO FOR MORE INFORMATION

The Research Center conducted this study for The Wood Products Council based on its Annual Consumer Practices Study (CPS). The CPS gathers and analyzes data by dividing the U.S. into 32 separate geographic areas. Data is then reported for each of the 32 separate geographic areas, the nine U.S. Census Divisions, and U.S. totals. These proprietary reports are distributed separately and can be customized upon request. For further information pertaining to these reports, please contact any of this study's authors, or visit the NAHB Research Center Web site at www.nahbrc.org.

Ed Hudson	Director of Market Research	ehudson@nahbrc.org	301-430-6305
Chris Steuble	Manager of Survey Operations	csteuble@nahbrc.org	301-430-6264

APPENDIX A

- INTRODUCTION TO BUILDER PRACTICES SURVEY
- GEOGRAPHIC SAMPLING
- METHODOLOGY
- STATISTICAL ESTIMATES
- CHARACTERISTICS OF NEW SINGLE-FAMILY DETACHED HOMES

INTRODUCTION TO BUILDER PRACTICES SURVEY

The NAHB Research Center's *Builder Practices Reports* provide a picture of market demand for products and materials purchased by homebuilders nationwide. Market demand data is obtained through the *Annual Builder Practices Survey*, a nationally disseminated paper survey of homebuilders. The resulting data are tabulated using a robust methodology to ensure accurate estimates of product demand, quantities purchased, types, styles, sizes, and other characteristics of materials used in new homes built each calendar year.

The *Builder Practices Reports* present data on materials purchased for Single-Family Detached homes and Multifamily dwelling units. Data are shown as "coefficients," or per-house averages, and "product usage," the total volume of products or materials.

Coefficients for single-family detached homes are calculated for 32 separate U.S. geographic areas, referred to as "State-Market-Areas", which are states with similar topography. States with relatively low housing starts have been grouped with another state or states to create a single State-Market-Area, while three states with a high level of new home construction activity are divided between two State-Market-Areas. When a state is split, the dividing line typically occurs along changes in climate or topography, and always along county lines.

The 32 State-Market-Area data for Single-Family Detached dwellings include tabulations by the individual states or combinations of states that comprise each of the State-Market-Areas.

Totals are weighted by housing starts for increased accuracy. The total for each of the nine U.S. Census Divisions is a weighted average based on the proportion of housing starts within each State-Market-Area in that Census Division. U.S. Totals are weighted by the proportion of housing starts within each Census Division.

The Multifamily data, which include Single-Family Attached dwellings—Townhouses, Duplexes and Row Houses, as well as low-rise Apartments (up to and including four stories), is tabulated by the nine U.S. Census Divisions. U.S. Totals are weighted by the proportion of housing starts within each Census Division.

This year, the Research Center has an agreement with McGraw Hill Construction Analytics (formerly FW Dodge) to provide new housing start data that previously had been extrapolated from U. S. Census Bureau data by NAHB economists. Since previous housing start collection efforts were complex and time-consuming, this arrangement insures that the Builder Practices Reports will reach industry users in a timelier manner. In addition, since McGraw Hill Construction Analytics enjoys broad recognition as a leading authority on housing start data, the Builder Practices Reports will benefit by including housing start data generated using enhanced methodology.

Product Usage is the total estimated volume or amount of material used for both single-family and multifamily dwellings tabulated by State, Census Division, and the U.S. as a whole. These data are estimated using the coefficients described previously, along with the housing start data for each state. Product usage data are calculated for each individual state and summed to produce totals for each Census Division and for the U.S. as a whole. In addition to product usage tabulations for the current year, a five-year market demand projection is made using current year coefficients and state-level housing start forecasts.

GEOGRAPHIC SAMPLING

The data provided are separated by geographic areas established by the U.S. Census Bureau in 1910, called Census Divisions. The Census Divisions include all 50 states, and the District of Columbia. The nine U.S. Census Divisions are shown in Figure A1 below.

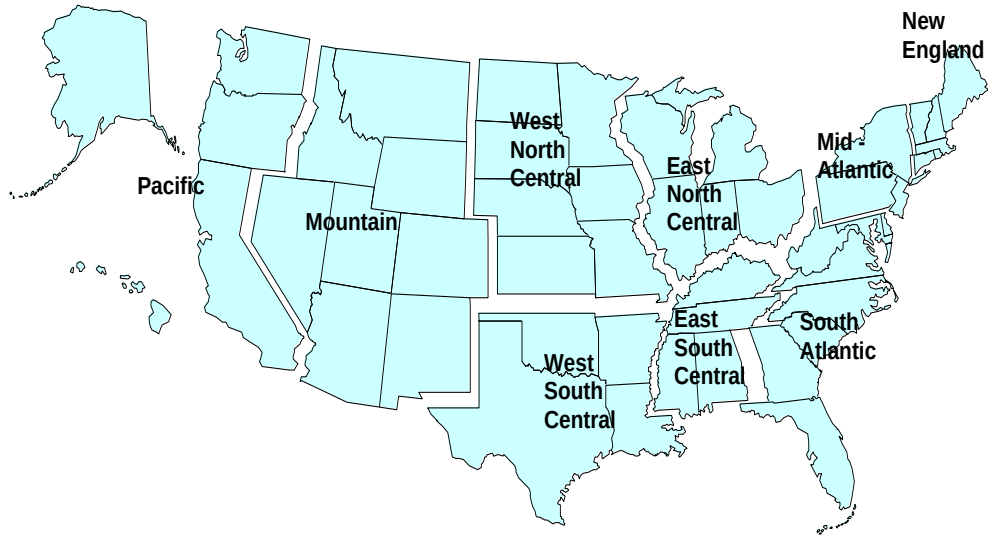


Figure A1: United States Census Division Map

The nine U.S. Census Divisions and the 32 State-Market-Areas utilized by the NAHB Research Center are listed below:

New England

- Connecticut, Massachusetts, Rhode Island
- Maine, New Hampshire, Vermont

Mid-Atlantic

- New Jersey
- New York
- Pennsylvania

South Atlantic

- Delaware, Maryland, the District of Columbia
- Georgia
- Northern Florida (Pinellas, Hillsborough, Polk, Osceola, Indian River counties and north)
- Southern Florida (Manatee, Hardee, Highlands, Okeechobee, St. Lucie counties and south)
- North Carolina, South Carolina
- Virginia, West Virginia

East North Central

- Illinois
- Indiana
- Michigan
- Ohio
- Wisconsin

East South Central

- Alabama, Mississippi
- Kentucky, Tennessee

West North Central

- Iowa, Nebraska
- Kansas, Missouri
- Minnesota
- North Dakota, South Dakota

West South Central

- Arkansas, Oklahoma
- Louisiana, East Texas (Houston to Corpus Christi, and west to the semi-arid plains)
- West Texas (Dallas to San Antonio and west)

Mountain

- Arizona, Nevada, New Mexico
- Colorado, Utah
- Idaho, Montana, Wyoming

Pacific

- Northern California (Monterey, Kings, Tulare, Inyo counties and north)
- Southern California (San Luis Obispo, Kern, San Bernardino counties and south), Hawaii
- Oregon
- Alaska, Washington

METHODOLOGY

In order to gather data for the material usage coefficients, the NAHB Research Center mailed the *Annual Builder Practices Survey* to approximately 48,000 active home building companies nationwide. The sample frame was generated randomly from a pool of NAHB members who indicated that new home construction was their primary occupation. About 1,500 questionnaires were sent to companies in each of the 32 State-Market-Areas. Over 2,100 usable responses were received for the 2006 survey—1,995 respondents reported building single-family detached homes and 313 reported building multifamily dwellings (single-family attached—townhouses, row houses, duplexes and apartments). The survey design enabled individual builders to respond to questions about Single Family Detached as well as multifamily dwellings. The number of responses is illustrated in Figure A2.

Number of Responses Received by Census Division and 32-State-Market Area

New England	161	West North Central	254	West South Central	152
CT, MA, RI	107	IA, NE	72	AR, OK	75
ME, NH, VT	54	KS, MO	60	LA & East TX	36
		MN	64	West TX	41
		ND, SD	58		
Mid-Atlantic	240	South Atlantic	379	Mountain	158
NJ	66	DE, MD, DC	55	AZ, NV, NM	41
NY	73	North FL	67	CO, UT	57
PA	101	South FL	55	ID, MT, WY	60
		GA	69		
East North Central	362	NC, SC	70		
IL	46	VA, WV	63	Pacific	265
IN	66			North CA	65
MI	89	East South Central	139	HI, South CA	60
OH	86	AL, MS	57	OR	61
WI	75	KY, TN	82	WA, AK	79

Figure A2: Survey Responses Received by Census Division and 32-State-Market Area

Data for three states—California, Florida, and Texas—are divided because these states have high levels of new home construction activity. The division is made by grouping adjacent counties having similar climate or topography.

Since numerous U.S. home building companies have multiple offices throughout the country, each local building establishment of multi-regional and national firms is recognized as a separate entity. Hence, questionnaires were sent to local home building establishments, not to regional offices or national headquarters. To assure that local offices are reporting only on homes built by their own operations and not the homes constructed by operations in other areas, the programming methodology allows a maximum of 200 single-family detached homes per Census Division built by a respondent's local operation. The number of single-family attached homes and multifamily dwellings are limited to 500 per Census Division.

To encourage participation, respondents were offered both a logo shirt and a report limited to market share data for their Census Division and the U.S. totals. Discounting a percentage of surveys that were undeliverable, that reached non-builders, or multiple persons within a single company, the overall response rate was about four percent.

STATISTICAL ESTIMATES

The uncertainty in the estimates presented in this report generally decreases as the sample size increases. The underlying distribution of survey responses is either binomial or multinomial in nature, so the standard deviation of any proportion p estimated from the survey is:

$$\sigma_p = \sqrt{\frac{P \times (1-P)}{n}}$$

where: σ_p = the standard deviation of the estimated proportion,
 P = the true proportion, and
 n = the sample size (number of responses).

Based on a normal approximation to the binomial distribution, a symmetrical 95 percent confidence interval estimate of the true proportion P would be:

$$P = p \pm (1.96 \times \sigma_p)$$

While p for the sample is known, the true proportion P is unknown, so σ_p cannot be computed exactly. Still, a reasonable approximation can be made by using the observed proportion p to estimate σ_p . For example, a 95 percent confidence interval for P , the inclusion of two car garages in single family detached houses built in the United States, based on a sample size of $n = 2,110$ builders and an observed usage rate of $p = 0.638$ (or 63.8 percent), would be computed as follows:

$$\sigma_p = \sqrt{\frac{(0.638)(0.362)}{2110}} = 0.0105$$

As a result, the 95 percent confidence interval is:

$$P = 0.638 \pm (1.96 \times 0.0105), \text{ or } 0.6174 \leq P \leq 0.6586$$

This calculation indicates that the true value of P is highly likely to be between 0.6174 percent and 0.6586 percent. If the true P had been outside this range, the probability of observing a value p as extreme as the value that was actually observed would be five percent or less (based on a 95 percent confidence interval). This approximation is satisfactory where $n \geq 25$ and p is not too close to 0 or 100 percent. Other methods can be used to compute confidence intervals where these conditions are not met.

Usage rates can be interpreted as proportions of a total, and confidence limits for the proportion multiplied by the total may be used to derive a confidence limit for the coefficient.

CHARACTERISTICS OF NEW SINGLE-FAMILY DETACHED HOMES

Starter, Move-Up, and Luxury Homes

One goal of the *Annual Builder Practices Survey* is to gather information on starter, move-up, and luxury homes built in the survey year. Figure A3 shows the current year percentage breakdown of all homes built compared to the same data for two previous years.

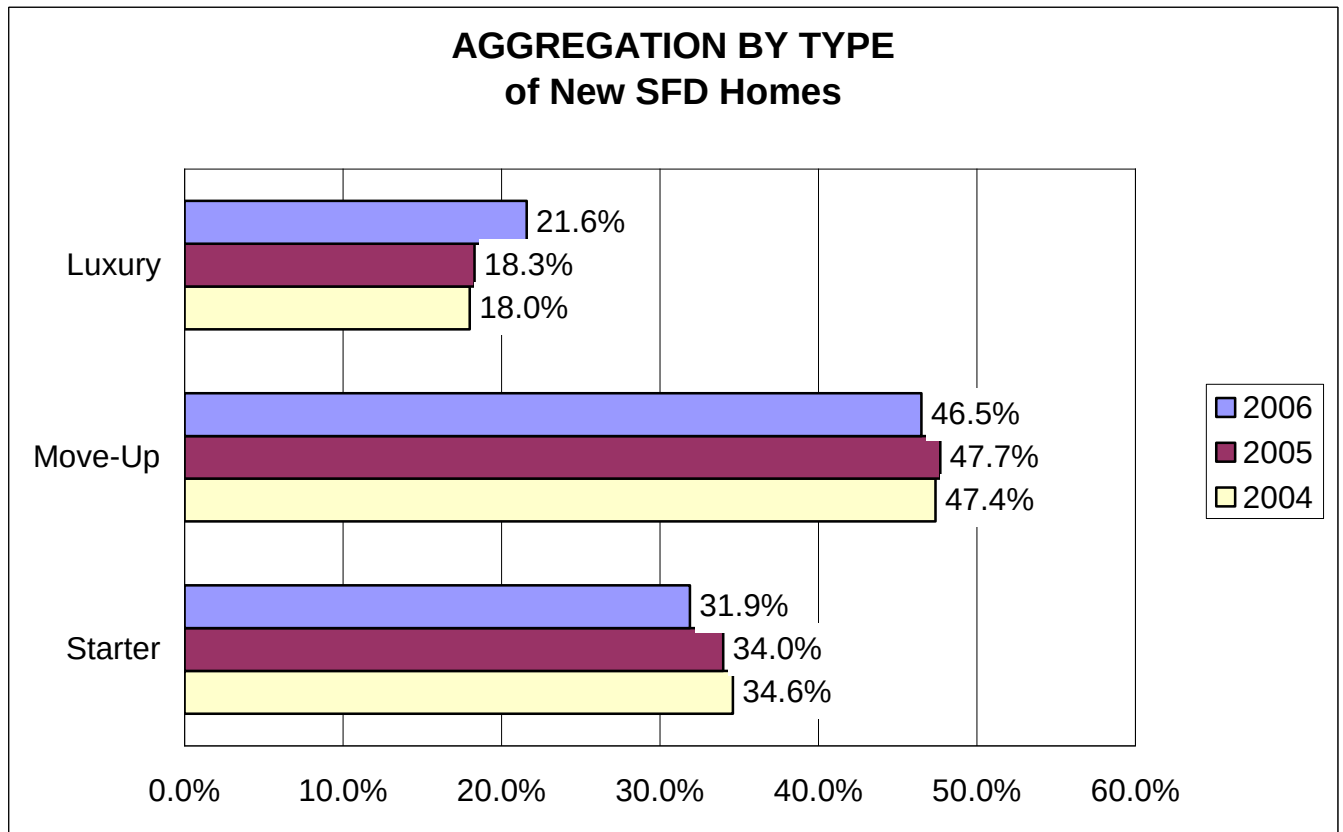


Figure A3: Aggregation By Type of New SFD Homes

Prices of Starter, Move-Up, and Luxury Homes

In 2006, a new single-family detached home (including land) averaged \$394,346. In 2005, the average price of a new single-family detached home was \$375,461 compared to \$328,980 in 2004 and \$310,178 in 2003.

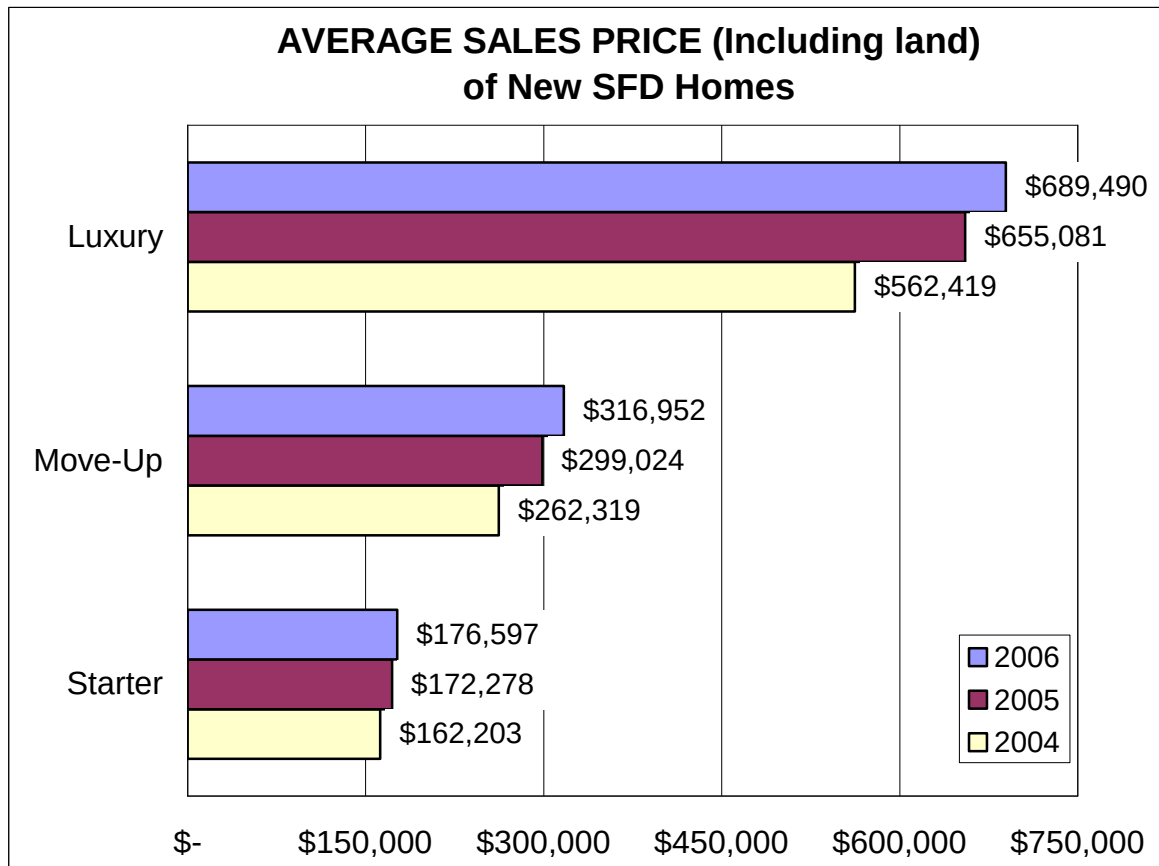


Figure A4: Average Sales Price of New SFD Homes

Sizes of Starter, Move-up, and Luxury Homes

Tabulation of the 2006 survey results show that the average square feet of finished floor of all new single-family detached homes in the sample was 2,538 square feet. Figure A5 separates the results by starter, move-up, and luxury homes and shows a comparison of 2006 data to the previous two years.

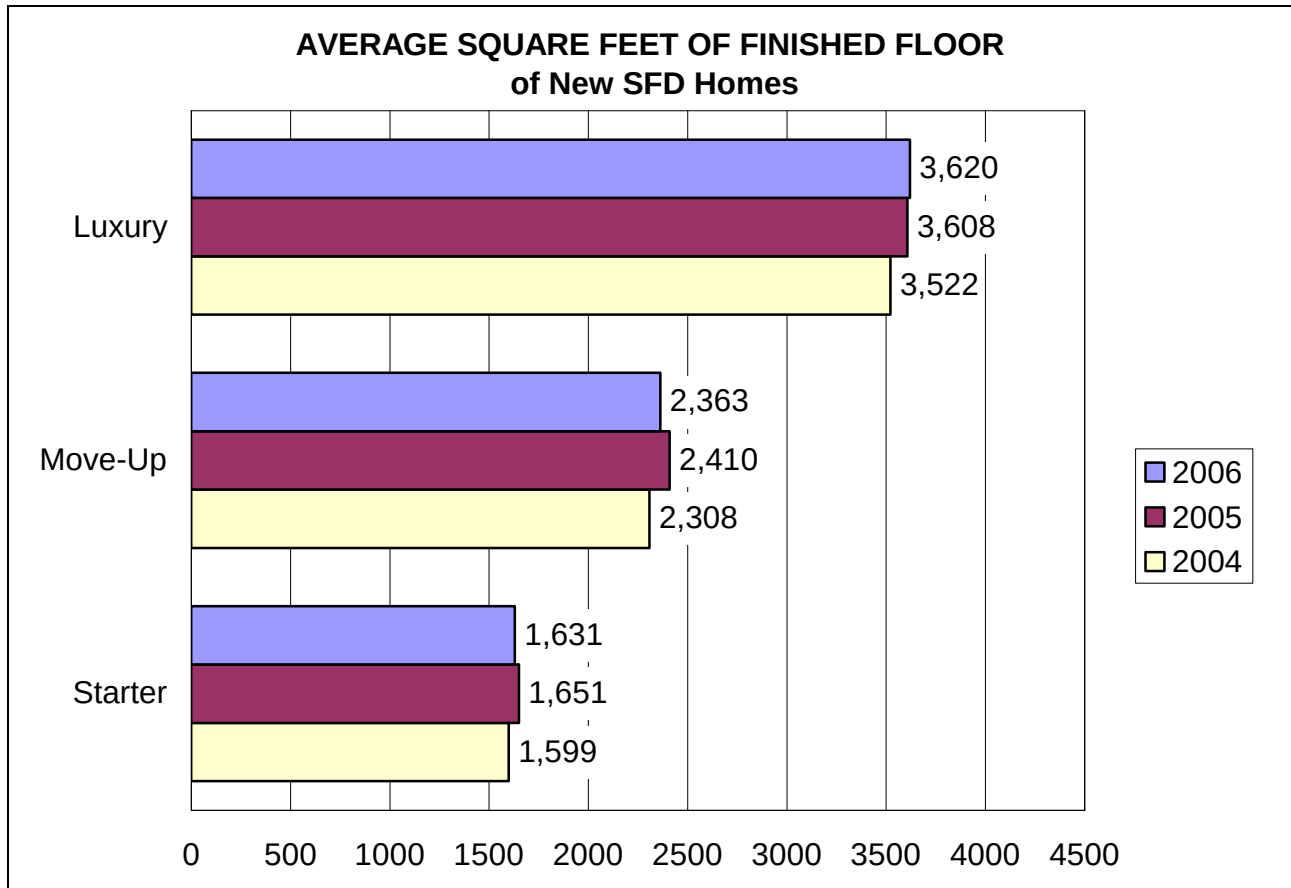


Figure A5: Average Square Feet of Finished Floor of New SFD Homes

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
HOUSING STARTS	118	235	757	356	1,465	49	44	154	88	335	167	280	910	444	1,801
TOTAL WOOD USAGE IN NEW RESIDENTIAL CONSTRUCTION															
LUMBER & ENGINEERED LUMBER															
Lumber - Softwood															
Framing, BF	1,673,173	2,946,069	9,451,375	4,145,661	18,216,278	321,643	231,050	760,414	481,536	1,794,644	1,994,817	3,177,119	10,211,789	4,627,197	20,010,922
Boards, BF	145,534	192,905	277,069	242,549	858,058	6,070	8,037	9,885	21,982	45,975	151,605	200,942	286,955	264,532	904,033
Treated Framing, BF	120,805	178,724	657,442	330,253	1,287,224	2,541	2,561	8,018	5,880	19,000	123,346	181,285	665,460	336,133	1,306,223
Treated Boards, BF	12,840	17,932	75,130	18,143	124,045	1	1	1	0	2	12,841	17,933	75,131	18,143	124,047
Sawn Beams, BF	20,909	40,379	118,141	205,078	384,507	4,970	260	2,513	9,188	16,932	25,880	40,639	120,654	214,266	401,440
Logs, BF	9,977	47,144	75,187	40,204	172,512	0	1,079	49	3	1,131	9,977	48,223	75,236	40,206	173,643
Subtotal Lumber, BF	1,983,240	3,423,154	10,654,345	4,981,887	21,042,626	335,225	242,988	780,880	518,589	1,877,683	2,318,465	3,666,142	11,435,225	5,500,476	22,920,309
Engineered Lumber															
Glulam, BF	6,415	18,617	64,179	73,341	162,553	17,107	1,520	2,886	8,975	30,488	23,522	20,137	67,065	82,316	193,041
I-joist, BF equivalent	210,923	295,053	538,672	498,129	1,542,778	30,315	15,367	65,652	52,345	163,679	241,238	310,420	604,324	550,474	1,706,457
LVL, BF equivalent	79,389	127,230	277,884	86,875	571,379	22,446	21,616	27,478	44,180	115,720	101,835	148,846	305,363	131,055	687,098
Parallam™, BF equivalent	20,319	11,373	22,496	63,731	117,920	4,240	208	7,315	10,085	21,848	24,559	11,581	29,812	73,815	139,767
Timberstrand™, BF equivalent	29,794	32,293	68,579	66,643	197,310	714	708	383	8,604	10,409	30,508	33,001	68,962	75,248	207,719
Plywood Rim Board, BF equivalent	366	288	765	208	1,628	119	93	155	0	367	485	381	920	208	1,994
OSB Rim Board, BF equivalent	3,903	10,398	14,728	11,398	40,427	666	38	238	51	993	4,570	10,435	14,966	11,449	41,420
Subtotal Engineered Wood, BF equivalent	351,111	495,252	987,304	800,326	2,633,993	75,607	39,549	104,107	124,240	343,503	426,718	534,801	1,091,411	924,566	2,977,496
Total Lbr. & Eng. Lumber, BF equivalent	2,334,350	3,918,406	11,641,649	5,782,213	23,676,619	410,833	282,536	884,987	642,829	2,221,185	2,745,183	4,200,943	12,526,637	6,425,042	25,897,804
Hardwood lumber, BF	193,404	192,293	676,367	235,562	1,297,626	40,412	16,464	33,346	27,479	117,702	233,816	208,757	709,713	263,042	1,415,328
STRUCTURAL AND NONSTRUCTURAL PANELS															
Structural Panels, SF 3/8" Basis															
Softwood Plywood	795,446	602,481	1,656,145	1,101,837	4,155,909	120,014	79,724	126,559	164,056	490,353	915,461	682,204	1,782,704	1,265,893	4,646,262
Treated Plywood	173	8,678	5,827	2,998	17,676	1	87	1	0	89	174	8,765	5,828	2,998	17,766
OSB	1,060,567	2,420,979	6,985,358	3,490,529	13,957,433	142,324	113,082	545,150	216,599	1,017,155	1,202,891	2,534,061	7,530,508	3,707,129	14,974,588
Total Structural Panels, SF 3/8" basis	1,856,187	3,032,138	8,647,329	4,595,364	18,131,018	262,339	192,893	671,711	380,655	1,507,598	2,118,526	3,225,031	9,319,040	4,976,019	19,638,616
Nonstructural Wood Panels, SF 3/8" Basis															
Hardwood Plywood	15,067	23,660	71,796	39,281	149,805	2,802	559	9,170	9,522	22,053	17,869	24,219	80,967	48,803	171,858
MDF	7,677	26,766	145,960	128,340	308,743	1,608	1,809	6,520	14,225	24,162	9,285	28,576	152,480	142,565	332,906
Particleboard	56,837	159,563	449,132	350,825	1,016,357	31,260	27,209	58,967	37,534	154,969	88,097	186,772	508,098	388,359	1,171,326
Hardboard	24,235	58,873	203,618	197,411	484,137	5,000	3,143	29,701	9,764	47,608	29,235	62,016	233,319	207,175	531,745
Lauan	14,927	30,856	48,614	7,582	101,980	3,771	7,157	3,430	1,585	15,942	18,698	38,013	52,045	9,167	117,923
Fiberboard	4,402	45,811	143,759	10,547	204,519	0	1,317	1,006	68	2,391	4,402	47,128	144,765	10,615	206,910
Total Non-Str'l Wood Panels, SF 3/8" basis	123,146	345,530	1,062,879	733,987	2,265,542	44,441	41,194	108,795	72,697	267,126	167,587	386,724	1,171,674	806,684	2,532,667
Total Panels, SF 3/8" basis equivalent	1,979,333	3,377,668	9,710,208	5,329,351	20,396,559	306,780	234,087	780,506	453,352	1,774,724	2,286,112	3,611,754	10,490,714	5,782,703	22,171,283

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WOOD USAGE IN FLOOR SYSTEMS															
LUMBER & ENGINEERED LUMBER															
Lumber - Softwood															
Framing, BF	258,209	449,992	898,498	240,212	1,846,911	77,184	42,112	108,010	85,312	312,619	335,393	492,105	1,006,509	325,524	2,159,530
Boards, BF	953	6,991	10,233	24,892	43,069	0	0	2	1	3	953	6,991	10,235	24,892	43,072
Treated Framing, BF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Treated Boards, BF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Sawn Beams, BF	6,348	4,327	13,742	40,034	64,451	3,736	112	0	3,732	7,580	10,085	4,439	13,742	43,766	72,031
Logs, BF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Subtotal Lumber, BF	265,510	461,310	922,473	305,138	1,954,431	80,920	42,225	108,013	89,044	320,202	346,430	503,535	1,030,486	394,182	2,274,633
Engineered Lumber															
Glulam, BF	1,623	7,812	27,895	29,615	66,945	16,141	187	622	2,063	19,013	17,764	7,999	28,517	31,678	85,958
I-joist, BF equivalent	205,023	279,054	491,627	482,481	1,458,186	29,047	15,167	62,247	50,145	156,606	234,070	294,221	553,874	532,626	1,614,791
LVL, BF equivalent	65,487	92,349	208,286	61,349	427,470	20,067	19,503	20,748	40,255	100,573	85,554	111,851	229,034	101,604	528,043
Parallam™, BF equivalent	16,029	7,310	9,385	54,586	87,310	3,699	20	354	9,594	13,667	19,727	7,331	9,740	64,180	100,977
Timberstrand™, BF equivalent	23,106	29,357	62,722	47,012	162,196	418	661	231	8,363	9,672	23,524	30,018	62,952	55,374	171,869
Plywood Rim Board, BF equivalent	366	288	765	208	1,628	119	93	155	0	367	485	381	920	208	1,994
OSB Rim Board, BF equivalent	3,903	10,398	14,728	11,398	40,427	666	38	238	51	993	4,570	10,435	14,966	11,449	41,420
Subtotal Engineered Wood, BF equivalent	315,537	426,568	815,409	686,648	2,244,162	70,157	35,668	84,595	110,471	300,891	385,694	462,236	900,004	797,119	2,545,053
Total Lbr. & Eng. Lumber, BF equivalent	581,047	887,878	1,737,882	991,786	4,198,593	151,077	77,893	192,608	199,515	621,093	732,124	965,770	1,930,490	1,191,302	4,819,686
Concrete, BF equivalent	37,135	48,370	1,944,052	712,067	2,741,625	48,560	29,631	126,815	115,969	320,975	85,695	78,001	2,070,866	828,037	3,062,600
Steel, BF equivalent	2,870	9,784	11,924	12,631	37,208	656	1,741	1,403	808	4,609	3,526	11,525	13,328	13,438	41,817
Total Material, BF equivalent	621,052	946,031	3,693,858	1,716,484	6,977,426	200,293	109,265	320,826	316,292	946,676	821,345	1,055,296	4,014,684	2,032,777	7,924,102
STRUCTURAL AND NONSTRUCTURAL PANELS															
Structural Panels, SF 3/8" Basis															
Softwood Plywood	268,873	242,655	538,100	322,006	1,371,634	58,972	37,883	74,419	76,412	247,685	327,845	280,538	612,518	398,418	1,619,319
Treated Plywood	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
OSB	358,497	740,563	1,382,550	703,571	3,185,181	70,546	41,308	173,518	71,161	356,533	429,043	781,871	1,556,069	774,732	3,541,714
Total Structural Panels, SF 3/8" basis	627,370	983,218	1,920,650	1,025,578	4,556,815	129,518	79,191	247,937	147,572	604,218	756,888	1,062,409	2,168,587	1,173,150	5,161,033
Nonstructural Wood Panels, SF 3/8" Basis															
Hardwood Plywood	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MDF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Particleboard	495	7,524	8,654	50,429	67,102	0	224	19	1,454	1,697	495	7,748	8,673	51,883	68,799
Hardboard	468	4,601	2,942	2,253	10,264	110	32	6	1,094	1,242	578	4,633	2,948	3,347	11,506
Luan	14,927	30,856	48,614	7,582	101,980	3,771	7,157	3,430	1,585	15,942	18,698	38,013	52,045	9,167	117,923
Fiberboard	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Total Non-Str'l Wood Panels, SF 3/8" basis	15,891	42,982	60,210	60,264	179,346	3,881	7,413	3,456	4,133	18,882	19,771	50,395	63,666	64,397	198,228
Total Panels, SF 3/8" basis equivalent	643,261	1,026,200	1,980,860	1,085,841	4,736,162	133,399	86,604	251,392	151,705	623,100	776,659	1,112,803	2,232,253	1,237,546	5,359,262
Concrete, SF 3/8" basis equivalent	43,650	68,848	2,095,389	773,611	2,981,497	33,962	28,348	182,212	60,120	304,643	77,613	97,196	2,277,601	833,731	3,286,140
Total Material, SF 3/8" basis equivalent	686,911	1,095,047	4,076,249	1,859,452	7,717,659	167,361	114,952	433,605	211,825	927,743	854,272	1,209,999	4,509,854	2,071,277	8,645,402

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WOOD USAGE IN WALL SYSTEMS															
LUMBER & ENGINEERED LUMBER															
Lumber - Softwood															
Framing, BF	735,053	1,198,244	3,441,856	1,945,428	7,320,581	148,242	117,802	380,551	257,887	904,482	883,294	1,316,046	3,822,407	2,203,315	8,225,063
Boards, BF	401	4,199	1,312	18	5,929	30	0	0	0	30	430	4,199	1,312	18	5,959
Treated Framing, BF	9,435	22,358	107,638	49,026	188,457	1,677	1,961	7,132	3,834	14,604	11,112	24,319	114,770	52,860	203,061
Treated Boards, BF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Sawn Beams, BF	6,475	24,645	40,963	135,483	207,567	705	117	733	4,814	6,368	7,180	24,761	41,696	140,297	213,935
Logs, BF	9,977	47,144	75,187	40,204	172,512	0	1,079	49	3	1,131	9,977	48,223	75,236	40,206	173,643
Subtotal Lumber, BF	761,341	1,296,591	3,666,956	2,170,159	7,895,047	150,654	120,959	388,465	266,538	926,615	911,995	1,417,549	4,055,421	2,436,696	8,821,661
Engineered Lumber															
Glulam, BF	3,068	7,253	17,979	32,178	60,478	966	965	1,517	2,629	6,079	4,034	8,218	19,497	34,807	66,556
I-joist, BF equivalent	184	1,091	940	535	2,749	8	56	96	0	159	192	1,146	1,036	535	2,908
LVL, BF equivalent	7,711	27,683	46,395	23,835	105,625	615	1,716	3,510	2,984	8,824	8,326	29,399	49,905	26,819	114,449
Parallam™, BF equivalent	3,901	3,958	12,740	7,336	27,935	541	160	6,961	453	8,115	4,443	4,118	19,701	7,788	36,050
Timberstrand™, BF equivalent	5,968	2,685	4,988	18,232	31,873	276	31	152	227	687	6,244	2,716	5,141	18,459	32,560
Plywood Rim Board, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
OSB Rim Board, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Subtotal Engineered Wood, BF equivalent	20,832	42,670	83,043	82,115	228,660	2,406	2,928	12,236	6,294	23,864	23,238	45,597	95,279	88,409	252,524
Total Lbr. & Eng. Lumber, BF equivalent	782,173	1,339,260	3,749,999	2,252,274	8,123,706	153,060	123,886	400,701	272,832	950,479	935,233	1,463,147	4,150,700	2,525,105	9,074,185
Concrete, BF equivalent															
Steel - Exterior Walls, BF equivalent	9,170	18,161	433,600	51,740	512,671	2,762	1,250	36,960	6,343	47,315	11,932	19,411	470,560	58,082	559,985
Steel - Interior Walls, BF equivalent	308	2,501	619	6,568	9,995	406	902	-	991	2,299	714	3,403	619	7,558	12,294
Steel - Interior Walls, BF equivalent	1,945	3,609	124,878	5,669	136,102	3,200	2,242	65,485	608	71,535	5,145	5,851	190,363	6,277	207,637
Total Material, BF equivalent	793,596	1,363,532	4,309,097	2,316,250	8,782,474	159,428	128,280	503,146	280,773	1,071,627	953,024	1,491,812	4,812,243	2,597,024	9,854,102
STRUCTURAL AND NONSTRUCTURAL PANELS (Including Plywood in Box Beams)															
Structural Panels, SF 3/8" Basis															
Softwood Plywood	182,313	93,199	288,649	181,755	745,916	13,299	9,122	2,584	17,748	42,754	195,612	102,321	291,234	199,503	788,670
Treated Plywood	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
OSB	425,986	691,324	1,990,290	1,079,420	4,187,020	41,583	30,111	128,059	80,210	279,962	467,569	721,434	2,118,349	1,159,630	4,466,983
Total Structural Panels, SF 3/8" basis	608,299	784,523	2,278,939	1,261,175	4,932,936	54,882	39,233	130,644	97,957	322,716	663,180	823,756	2,409,583	1,359,133	5,255,652
Nonstructural Wood Panels, SF 3/8" Basis															
Hardwood Plywood	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MDF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Particleboard	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Hardboard	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Lauan	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Fiberboard	4,402	45,811	143,759	10,547	204,519	0	1,317	1,006	68	2,391	4,402	47,128	144,765	10,615	206,910
Total Non-Str'l Wood Panels, SF 3/8" basis	4,402	45,811	143,759	10,547	204,519	0	1,317	1,006	68	2,391	4,402	47,128	144,765	10,615	206,910
Total Panels, SF 3/8" basis equivalent	612,701	830,334	2,422,698	1,271,722	5,137,455	54,882	40,550	131,650	98,025	325,107	667,582	870,884	2,554,348	1,369,748	5,462,562
Concrete, SF 3/8" basis equivalent															
Foam and Other, SF 3/8" basis equivalent	21,878	40,117	620,788	101,199	783,982	1,954	2,067	32,733	6,734	43,488	23,832	42,184	653,521	107,934	827,470
Foam and Other, SF 3/8" basis equivalent	42,709	275,675	710,487	358,301	1,387,172	7,617	21,392	25,228	5,163	59,399	50,326	297,067	735,715	363,464	1,446,571
Total Material, SF 3/8" basis equivalent	677,287	1,146,126	3,753,973	1,731,223	7,308,609	64,453	64,009	189,610	109,923	427,995	741,740	1,210,134	3,943,584	1,841,146	7,736,603

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WOOD USAGE IN ROOF SYSTEMS															
LUMBER & ENGINEERED LUMBER															
Lumber - Softwood															
Framing, BF	538,582	1,035,438	4,219,726	1,590,634	7,384,379	74,362	51,438	204,170	98,651	428,621	612,945	1,086,875	4,423,896	1,689,284	7,813,000
Boards, BF	1,196	25,067	21,325	2,509	50,097	2,099	123	579	0	2,801	3,295	25,190	21,904	2,509	52,898
Treated Framing, BF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Treated Boards, BF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Sawn Beams, BF	1,587	658	12,355	6,123	20,723	500	10	1,725	636	2,871	2,086	668	14,080	6,759	23,594
Logs, BF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Subtotal Lumber, BF	541,365	1,061,162	4,253,406	1,599,266	7,455,199	76,961	51,571	206,475	99,287	434,293	618,326	1,112,733	4,459,880	1,698,553	7,889,492
Engineered Lumber															
Glulam, BF	1,724	3,552	18,305	11,549	35,130	0	369	746	4,282	5,396	1,724	3,920	19,051	15,831	40,526
I-joist, BF equivalent	5,716	14,909	46,105	15,113	81,843	1,260	144	3,309	2,200	6,914	6,977	15,053	49,414	17,313	88,757
LVL, BF equivalent	6,192	7,199	23,203	1,691	38,283	1,764	397	3,221	941	6,323	7,955	7,596	26,423	2,632	44,606
Parallam™, BF equivalent	389	105	371	1,810	2,675	0	27	0	38	65	389	132	371	1,847	2,740
Timberstrand™, BF equivalent	720	251	868	1,400	3,240	20	16	0	14	50	740	267	868	1,414	3,290
Plywood Rim Board, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
OSB Rim Board, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Subtotal Engineered Wood, BF equivalent	14,742	26,015	88,852	31,563	161,172	3,044	953	7,276	7,475	18,748	17,786	26,968	96,128	39,038	179,919
Total Lbr. & Eng. Lumber, BF equivalent	556,107	1,087,178	4,342,258	1,630,829	7,616,371	80,005	52,523	213,750	106,762	453,040	636,111	1,139,701	4,556,008	1,737,591	8,069,411
Steel, BF equivalent	927	7,299	2,417	6,635	17,279	11	1,150	24	328	1,513	938	8,448	2,441	6,963	18,791
Total Material, BF equivalent	557,034	1,094,476	4,344,675	1,637,464	7,633,650	80,015	53,673	213,774	107,090	454,553	637,049	1,148,150	4,558,450	1,744,554	8,088,202
STRUCTURAL AND NONSTRUCTURAL PANELS															
Structural Panels, SF 3/8" Basis															
Softwood Plywood	329,003	240,256	800,551	509,236	1,879,046	46,273	31,594	41,166	63,541	182,574	375,276	271,850	841,717	572,777	2,061,620
Treated Plywood	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
OSB	273,788	915,078	3,580,511	1,611,811	6,381,189	29,737	41,098	243,511	64,751	379,097	303,525	956,176	3,824,023	1,676,562	6,760,286
Total Structural Panels, SF 3/8" basis	602,791	1,155,334	4,381,062	2,121,047	8,260,235	76,009	72,692	284,677	128,292	561,671	678,800	1,228,026	4,665,739	2,249,340	8,821,905
Nonstructural Wood Panels, SF 3/8" Basis															
Hardwood Plywood	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MDF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Particleboard	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Hardboard	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Lauan	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Fiberboard	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Total Non-Str'l Wood Panels, SF 3/8" basis	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Total Panels, SF 3/8" basis equivalent	602,791	1,155,334	4,381,062	2,121,047	8,260,235	76,009	72,692	284,677	128,292	561,671	678,800	1,228,026	4,665,739	2,249,340	8,821,905

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WOOD USAGE IN FOUNDATIONS															
LUMBER & ENGINEERED LUMBER															
Lumber - Softwood															
Framing, BF	16,869	31,122	111,643	54,020	213,654	1,457	1,141	4,606	2,496	9,700	18,326	32,263	116,250	56,516	223,354
Boards, BF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Treated Framing, BF	20,174	47,742	49,309	35,864	153,089	667	542	427	728	2,364	20,841	48,285	49,736	36,592	155,454
Treated Boards, BF	822	212	179	13	1,227	1	1	1	0	2	823	213	180	13	1,229
Sawn Beams, BF	443	874	968	730	3,014	15	10	9	16	50	457	884	978	746	3,065
Logs, BF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Subtotal Lumber, BF	38,307	79,950	162,100	90,627	370,984	2,140	1,694	5,043	3,240	12,117	40,447	81,644	167,143	93,868	383,101
Engineered Lumber															
Glulam, BF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
I-joist, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
LVL, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Parallam™, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Timberstrand™, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Plywood Rim Board, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
OSB Rim Board, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Subtotal Engineered Wood, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Total Lbr. & Eng. Lumber, BF equivalent	38,307	79,950	162,100	90,627	370,984	2,140	1,694	5,043	3,240	12,117	40,447	81,644	167,143	93,868	383,101
Hardwood lumber, BF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
STRUCTURAL AND NONSTRUCTURAL PANELS															
Structural Panels, SF 3/8" Basis															
Softwood Plywood	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Treated Plywood	173	8,678	5,827	2,998	17,676	1	87	1	0	89	174	8,765	5,828	2,998	17,766
OSB	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Total Structural Panels, SF 3/8" basis	173	8,678	5,827	2,998	17,676	1	87	1	0	89	174	8,765	5,828	2,998	17,766
Nonstructural Wood Panels, SF 3/8" Basis															
Hardwood Plywood	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MDF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Particleboard	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Hardboard	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Lauan	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Fiberboard	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Total Non-Str'l Wood Panels, SF 3/8" basis	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Total Panels, SF 3/8" basis equivalent	173	8,678	5,827	2,998	17,676	1	87	1	0	89	174	8,765	5,828	2,998	17,766

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WOOD USAGE IN MILLWORK															
LUMBER & ENGINEERED LUMBER															
Lumber - Softwood															
Framing, BF *	97,209	186,725	564,739	240,445	1,089,119	20,398	18,557	63,077	37,190	139,222	117,607	205,282	627,816	277,636	1,228,341
Boards, BF **	135,307	143,699	216,158	196,561	691,725	3,942	7,913	9,304	21,982	43,141	139,249	151,612	225,462	218,543	734,866
Treated Framing, BF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Treated Boards, BF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Sawn Beams, BF	191	337	734	300	1,562	29	22	55	6	113	221	358	790	306	1,675
Logs, BF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Subtotal Lumber, BF	232,708	330,761	781,632	437,306	1,782,406	24,369	26,492	72,436	59,178	182,476	257,077	357,253	854,068	496,484	1,964,882
Engineered Lumber															
Glulam, BF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
I-joist, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
LVL, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Parallam™, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Timberstrand™, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Plywood Rim Board, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
OSB Rim Board, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Subtotal Engineered Wood, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Total Lbr. & Eng. Lumber, BF equivalent	232,708	330,761	781,632	437,306	1,782,406	24,369	26,492	72,436	59,178	182,476	257,077	357,253	854,068	496,484	1,964,882
Hardwood lumber, BF	193,404	192,293	676,367	235,562	1,297,626	40,412	16,464	33,346	27,479	117,702	233,816	208,757	709,713	263,042	1,415,328
STRUCTURAL AND NONSTRUCTURAL PANELS															
Structural Panels, SF 3/8" Basis															
Softwood Plywood	15,258	26,370	28,844	88,840	159,312	1,470	1,125	8,391	6,355	17,341	16,728	27,495	37,235	95,195	176,653
Treated Plywood	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
OSB	2,296	74,015	32,006	95,726	204,043	459	565	61	478	1,563	2,754	74,580	32,067	96,204	205,606
Total Structural Panels, SF 3/8" basis	17,554	100,385	60,850	184,566	363,355	1,929	1,690	8,452	6,833	18,904	19,482	102,075	69,303	191,399	382,259
Nonstructural Wood Panels, SF 3/8" Basis															
Hardwood Plywood	15,067	23,660	71,796	39,281	149,805	2,802	559	9,170	9,522	22,053	17,869	24,219	80,967	48,803	171,858
MDF	7,677	26,766	145,960	128,340	308,743	1,608	1,809	6,520	14,225	24,162	9,285	28,576	152,480	142,565	332,906
Particleboard	56,342	152,038	440,478	300,397	949,255	31,260	26,985	58,948	36,080	153,272	87,602	179,024	499,425	336,476	1,102,527
Hardboard	23,767	54,272	200,676	195,158	473,873	4,890	3,111	29,695	8,670	46,366	28,657	57,383	230,371	203,828	520,239
Lauan	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Fiberboard	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Subtotal Non-Str'l Wood Panels, SF 3/8"	102,853	256,737	858,910	663,176	1,881,676	40,560	32,464	104,333	68,496	245,853	143,413	289,201	963,243	731,672	2,127,529
Total Panels, SF 3/8" basis equivalent	120,407	357,122	919,760	847,742	2,245,032	42,489	34,154	112,785	75,330	264,757	162,896	391,276	1,032,545	923,072	2,509,789

* Millwork cut from stock greater than 1 inch

** Millwork cut from 1" stock or less, including beveled siding

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WOOD USAGE IN OUTDOOR STRUCTURES															
LUMBER & ENGINEERED LUMBER															
Lumber - Softwood															
Framing, BF	27,252	44,548	214,912	74,921	361,634	0	0	0	0	0	27,252	44,548	214,912	74,921	361,634
Boards, BF	7,678	12,949	28,041	18,570	67,238	0	0	0	0	0	7,678	12,949	28,041	18,570	67,238
Treated Framing, BF	86,380	104,779	386,786	181,520	759,464	91	24	225	651	991	86,471	104,803	387,011	182,171	760,454
Treated Boards, BF	16,392	20,691	187,692	81,242	306,018	91	24	225	651	991	16,483	20,715	187,917	81,893	307,008
Sawn Beams, BF	6,308	10,413	50,347	23,138	90,205	0	0	0	0	0	6,308	10,413	50,347	23,138	90,205
Logs, BF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Subtotal Lumber, BF	144,009	193,380	867,778	379,391	1,584,558	182	48	450	1,302	1,981	144,191	193,428	868,228	380,693	1,586,539
Engineered Lumber															
Glulam, BF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
I-joist, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
LVL, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Parallam™, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Timberstrand™, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Plywood Rim Board, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
OSB Rim Board, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Subtotal Engineered Wood, BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Total Lbr. & Eng. Lumber, BF equivalent	144,009	193,380	867,778	379,391	1,584,558	182	48	450	1,302	1,981	144,191	193,428	868,228	380,693	1,586,539
Hardwood lumber, BF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
STRUCTURAL AND NONSTRUCTURAL PANELS*															
Structural Panels, SF 3/8" Basis															
Softwood Plywood	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Treated Plywood	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
OSB	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Total Structural Panels, SF 3/8" basis	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Nonstructural Wood Panels, SF 3/8" Basis															
Hardwood Plywood	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MDF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Particleboard	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Hardboard	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Lauan	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Fiberboard	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Total Non-Str'l Wood Panels, SF 3/8" basis	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Total Panels, SF 3/8" basis equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
TOTAL WOOD USAGE IN FOUNDATION AND OUTDOOR STRUCTURE USAGE															
Total - Lumber, BF	58,106	99,032	404,944	170,649	732,731	1,457	1,141	4,606	2,496	9,700	59,563	100,173	409,550	173,145	742,431
Total - Treated Lumber, BF	124,210	174,298	624,934	299,369	1,222,812	864	601	887	2,046	4,398	125,075	174,899	625,821	301,415	1,227,210
Total - Plywood - Treated, SF 3/8" Basis	173	8,678	5,827	2,998	17,676	1	87	1	0	89	174	8,765	5,828	2,998	17,766

* Sheathing over porches is included in roof sheathing.

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WOOD USAGE IN ALL FRAMING (Excluding sheathing and millwork)															
TOTAL LUMBER - FOUNDATIONS, WALLS, FLOORS, ROOF, BEAMS, RIM BOARDS & OUTDOOR STRUCTURES															
Lumber - Regular, BF															
2x3s	1,830	2,696	19,070	14,549	38,145	9	993	8,976	0	9,978	1,839	3,689	28,046	14,549	48,123
2x4s	1,060,963	2,484,835	7,148,318	3,724,143	14,418,260	299,028	272,027	970,695	550,731	2,092,480	1,359,991	2,756,863	8,119,012	4,274,874	16,510,739
2x6s	401,335	403,884	1,315,305	812,670	2,933,193	36,791	35,752	96,282	85,178	254,003	438,126	439,635	1,411,587	897,848	3,187,197
2x8s	190,015	204,603	1,672,269	196,784	2,263,671	38,904	13,822	38,667	10,916	102,308	228,919	218,424	1,710,936	207,700	2,365,979
2x10s	195,100	269,627	661,586	137,803	1,264,115	48,395	13,343	30,302	14,345	106,385	243,495	282,970	691,888	152,148	1,370,500
2x12s	70,695	84,041	249,311	54,290	458,337	27,096	10,395	18,122	50,245	105,858	97,791	94,436	267,432	104,536	564,195
Boards	7,678	12,949	28,041	18,570	67,238	0	0	0	0	0	7,678	12,949	28,041	18,570	67,238
Solid Sawn Beams	20,718	40,043	117,407	204,778	382,945	4,941	239	2,458	9,182	16,819	25,659	40,281	119,864	213,960	399,765
Logs	9,977	47,144	75,187	40,204	172,512	0	1,079	49	3	1,131	9,977	48,223	75,236	40,206	173,643
Total Lumber - Regular, BF	1,958,311	3,549,822	11,286,493	5,203,791	21,998,416	455,164	347,648	1,165,551	720,600	2,688,963	2,413,475	3,897,470	12,452,043	5,924,391	24,687,379
Lumber - Treated, BF															
2x4s	34,014	52,881	200,550	64,337	351,781	1,677	1,961	7,132	3,834	14,604	35,691	54,842	207,682	68,171	366,385
2x6s	32,183	56,624	83,579	55,688	228,073	667	480	426	728	2,301	32,849	57,104	84,005	56,415	230,374
2x8s	14,952	24,601	51,116	28,977	119,646	1	62	1	0	64	14,953	24,663	51,117	28,977	119,710
2x10s	20,221	25,112	64,040	36,601	145,972	0	0	0	0	0	20,221	25,112	64,040	36,601	145,972
2x12s	6,740	8,371	21,347	12,200	48,657	0	0	0	0	0	6,740	8,371	21,347	12,200	48,657
Boards	12,840	17,932	75,130	18,143	124,045	1	1	1	0	2	12,841	17,933	75,131	18,143	124,047
Posts	3,948	5,195	11,328	6,225	26,696	15	10	9	16	50	3,963	5,205	11,338	6,241	26,746
Fencing & landscape timbers	8,748	5,942	225,482	126,226	366,398	182	48	450	1,302	1,981	8,930	5,989	225,932	127,527	368,379
Total Lumber - Treated, BF	133,646	196,656	732,572	348,396	1,411,269	2,541	2,562	8,019	5,880	19,002	136,187	199,218	740,591	354,275	1,430,271
TOTAL LUMBER AND ENGINEERED WOOD EQUIVALENTS USED IN FRAMING (Excluding boards)															
Lumber Equivalent															
Lumber, BF	2,071,239	3,706,435	11,901,658	5,347,408	23,026,740	452,764	349,971	1,171,112	717,298	2,691,145	2,524,003	4,056,406	13,072,770	6,064,706	25,717,885
Solid Sawn Beams, BF	20,718	40,043	117,407	204,778	382,945	4,941	239	2,458	9,182	16,819	25,659	40,281	119,864	213,960	399,765
Glulam, BF	6,415	18,617	64,179	73,341	162,553	17,107	1,520	2,886	8,975	30,488	23,522	20,137	67,065	82,316	193,041
I-joists, LF	105,462	147,527	269,336	249,065	771,389	15,158	7,683	32,826	26,172	81,839	120,619	155,210	302,162	275,237	853,228
I-joists, BF equivalent	210,923	295,053	538,672	498,129	1,542,778	30,315	15,367	65,652	52,345	163,679	241,238	310,420	604,324	550,474	1,706,457
LVL, Cubic Feet	4,962	7,952	17,368	5,430	35,711	1,403	1,351	1,717	2,761	7,232	6,365	9,303	19,085	8,191	42,944
LVL, BF equivalent	79,389	127,230	277,884	86,875	571,379	22,446	21,616	27,478	44,180	115,720	101,835	148,846	305,363	131,055	687,098
Parallam™, Cubic Feet	1,270	711	1,406	3,983	7,370	265	13	457	630	1,365	1,535	724	1,863	4,613	8,735
Parallam™, BF equivalent	20,319	11,373	22,496	63,731	117,920	4,240	208	7,315	10,085	21,848	24,559	11,581	29,812	73,815	139,767
Timberstrand™, LF	1,969	2,039	4,312	4,282	12,602	49	44	25	539	658	2,018	2,084	4,337	4,821	13,260
Timberstrand™, BF equivalent	23,623	24,473	51,746	51,384	151,225	594	533	297	6,467	7,891	24,216	25,005	52,043	57,851	159,116
Plywood, BF equivalent	366	288	765	208	1,628	119	93	155	0	367	485	381	920	208	1,994
OSB, BF equivalent	3,903	10,398	14,728	11,398	40,427	666	38	238	51	993	4,570	10,435	14,966	11,449	41,420
Total Engineered Wood, BF Equivalent	344,939	487,432	970,471	785,067	2,587,909	75,487	39,374	104,021	122,103	340,984	420,426	526,805	1,074,492	907,170	2,928,893
Total Lbr. & Eng. Lumber, BF equivalent	2,436,896	4,233,909	12,989,536	6,337,253	25,997,594	533,192	389,584	1,277,590	848,583	3,048,949	2,970,088	4,623,493	14,267,126	7,185,836	29,046,543

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WOOD USAGE IN FOUNDATIONS															
FOUNDATIONS															
WOOD FOUNDATION SYSTEMS															
Lumber - Treated, 2 x 6, BF	41	2,062	1,385	712	4,200	0	21	0	0	21	41	2,083	1,385	712	4,221
Lumber - Treated, 2 x 8, BF	124	6,186	4,154	2,137	12,600	1	62	1	0	64	124	6,248	4,154	2,137	12,663
Plywood - Treated, SF 3/8" Basis	173	8,678	5,827	2,998	17,676	1	87	1	0	89	174	8,765	5,828	2,998	17,766
MASONRY FOUNDATIONS															
Sill Plates - 2 x 6 Treated, BF	20,009	39,495	43,771	33,015	136,290	666	460	426	728	2,279	20,675	39,954	44,197	33,743	138,569
Support Posts - Treated, BF	443	874	968	730	3,014	15	10	9	16	50	457	884	978	746	3,065
Furring for Precast - Treated, BF	822	212	179	13	1,227	1	1	1	0	2	823	213	180	13	1,229
Temporary structures - 2 x 4, BF	16,869	31,122	111,643	54,020	213,654	1,457	1,141	4,606	2,496	9,700	18,326	32,263	116,250	56,516	223,354
TOTAL - Untreated Lumber, BF	16,869	31,122	111,643	54,020	213,654	1,457	1,141	4,606	2,496	9,700	18,326	32,263	116,250	56,516	223,354
TOTAL - Treated Lumber, BF	21,438	48,828	50,456	36,607	157,330	683	553	437	744	2,417	22,121	49,381	50,893	37,352	159,747

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WOOD USAGE IN FLOOR FRAMING - ALL FLOORS															
FLOOR JOISTS - ALL FLOORS															
2 x 4s (Trusses), BF	16,946	116,427	314,402	54,248	502,023	5,899	12,559	70,445	20,406	109,309	22,845	128,986	384,848	74,654	611,333
2 x 8s, BF Lumber	11,193	13,034	14,639	23,402	62,269	3,203	7,346	1,125	1,433	13,106	14,396	20,380	15,764	24,835	75,376
2 x 10s, BF Lumber	162,686	239,883	332,329	111,274	846,172	41,281	12,529	23,380	13,227	90,417	203,966	252,412	355,709	124,502	936,589
2 x 12s, BF Lumber	34,263	39,669	104,625	42,668	221,225	15,205	4,114	6,474	34,513	60,306	49,468	43,783	111,099	77,181	281,531
Subtotal: Lumber in Floor Joists, BF	225,088	409,013	765,996	231,592	1,631,690	65,587	36,547	101,424	69,580	273,139	290,676	445,560	867,420	301,172	1,904,828
I-joists, LF	101,091	136,664	233,131	238,298	709,183	10,568	7,571	30,969	22,544	71,652	111,659	144,235	264,100	260,842	780,835
I-joists, BF equivalent	202,182	273,327	466,261	476,597	1,418,367	21,135	15,142	61,939	45,088	143,304	223,317	288,469	528,200	521,684	1,561,671
Total Lbr. & Eng. Lumber, BF equivalent	427,270	682,340	1,232,257	708,189	3,050,057	86,723	51,689	163,363	114,667	416,442	513,993	734,029	1,395,620	822,857	3,466,499
FLOOR BEAMS - ALL FLOORS															
Built-up Dimension Lumber, BF	30,418	39,664	128,427	3,820	202,328	11,441	5,518	6,261	15,706	38,926	41,859	45,182	134,687	19,525	241,254
Solid Sawn Beams, BF	6,348	4,327	13,742	40,034	64,451	3,736	112	0	3,732	7,580	10,085	4,439	13,742	43,766	72,031
Glulam, BF	1,614	7,431	27,895	29,420	66,360	16,141	187	622	2,063	19,013	17,755	7,617	28,517	31,483	85,373
LVL, Cubic Feet	4,024	5,582	12,795	3,470	25,871	1,253	1,210	1,291	2,502	6,256	5,277	6,792	14,086	5,972	32,128
LVL, BF equivalent	64,386	89,314	204,717	55,525	413,942	20,047	19,356	20,664	40,032	100,099	84,433	108,670	225,381	95,557	514,041
Timberstrand™, Cubic Feet	262	704	1,917	410	3,293	8	0	0	388	396	270	704	1,917	798	3,689
Timberstrand™, BF equivalent	4,195	11,260	30,666	6,566	52,687	132	3	0	6,202	6,336	4,327	11,263	30,666	12,768	59,023
Parallam™, Cubic Feet	1,002	457	587	3,412	5,457	231	1	22	600	854	1,233	458	609	4,011	6,311
Parallam™, BF equivalent	16,029	7,310	9,385	54,586	87,310	3,699	20	354	9,594	13,667	19,727	7,331	9,740	64,180	100,977
I-joists, LF	33	1,452	9,751	0	11,236	3,956	4	84	2,496	6,540	3,989	1,457	9,835	2,496	17,776
I-joist, BF equivalent	66	2,905	19,502	0	22,472	7,912	9	169	4,991	13,080	7,977	2,913	19,670	4,991	35,552
Total Lbr. & Eng. Lumber, BF equivalent	123,055	162,210	434,333	189,951	909,550	63,107	25,205	28,070	82,320	198,702	186,163	187,415	462,403	272,271	1,108,251
RIM BOARDS FOR I-JOISTS - ALL FLOORS															
Lumber, BF	2,703	1,315	4,076	4,800	12,894	155	47	326	26	554	2,858	1,362	4,402	4,826	13,448
Timberstrand™, Cubic Feet	1,182	1,131	2,004	2,528	6,844	18	41	14	135	209	1,200	1,172	2,018	2,663	7,053
Timberstrand™, BF equivalent	18,911	18,097	32,056	40,446	109,509	286	659	231	2,161	3,336	19,197	18,755	32,287	42,607	112,846
I-joist, LF	1,388	1,411	2,932	2,942	8,673	0	8	70	33	111	1,388	1,419	3,002	2,975	8,784
I-joist, BF equivalent	2,775	2,822	5,865	5,885	17,347	0	17	139	66	222	2,775	2,838	6,004	5,951	17,568
LVL, Cubic Feet	69	190	223	364	846	1	9	5	14	30	70	199	228	378	875
LVL, BF equivalent	1,100	3,035	3,570	5,824	13,529	20	146	84	223	474	1,121	3,181	3,654	6,047	14,002
Glulam, BF	9	382	0	195	586	0	0	0	0	9	382	0	195	586	586
Plywood, 3/8 inch basis	550	432	1,148	312	2,441	178	139	233	0	550	728	571	1,381	312	2,992
Plywood, BF equivalent	366	288	765	208	1,628	119	93	155	0	367	485	381	920	208	1,994
OSB, 3/8 inch basis	5,855	15,596	22,092	17,097	60,640	1,000	57	357	76	1,489	6,854	15,653	22,449	17,173	62,129
OSB, BF equivalent	3,903	10,398	14,728	11,398	40,427	666	38	238	51	993	4,570	10,435	14,966	11,449	41,420
Total Lbr. & Eng. Lumber, BF equivalent	29,768	36,336	61,059	68,755	195,918	1,247	999	1,173	2,527	5,946	31,015	37,334	62,232	71,282	201,864
TOTAL WOOD USAGE IN FLOOR FRAMING (Excluding boards) - ALL FLOORS															
Lumber Equivalent															
Lumber, BF	264,557	454,319	912,240	280,246	1,911,362	80,920	42,224	108,010	89,044	320,199	345,477	496,543	1,020,251	369,290	2,231,561
Glulam, BF	1,623	7,812	27,895	29,615	66,945	16,141	187	622	2,063	19,013	17,764	7,999	28,517	31,678	85,958
I-joists, LF	102,511	139,527	245,814	241,241	729,093	14,524	7,584	31,123	25,072	78,303	117,035	147,110	276,937	266,313	807,396
I-joist, BF equivalent	205,023	279,054	491,627	482,481	1,458,186	29,047	15,167	62,247	50,145	156,606	234,070	294,221	553,874	532,626	1,614,791
LVL, Cubic Feet	4,093	5,772	13,018	3,834	26,717	1,254	1,219	1,297	2,516	6,286	5,347	6,991	14,315	6,350	33,003
LVL, BF equivalent	65,487	92,349	208,286	61,349	427,470	20,067	19,503	20,748	40,255	100,573	85,554	111,851	229,034	101,604	528,043
Parallam™, Cubic Feet	1,002	457	587	3,412	5,457	231	1	22	600	854	1,233	458	609	4,011	6,311
Parallam™, BF equivalent	16,029	7,310	9,385	54,586	87,310	3,699	20	354	9,594	13,667	19,727	7,331	9,740	64,180	100,977
Timberstrand™, Cubic Feet	1,444	1,835	3,920	2,938	10,137	26	41	14	523	605	1,470	1,876	3,935	3,461	10,742
Timberstrand™, BF equivalent	23,106	29,357	62,722	47,012	162,196	418	661	231	8,363	9,672	23,524	30,018	62,952	55,374	171,869
Plywood - BF equivalent	366	288	765	208	1,628	119	93	155	0	367	485	381	920	208	1,994
OSB - BF equivalent	3,903	10,398	14,728	11,398	40,427	666	38	238	51	993	4,570	10,435	14,966	11,449	41,420
Total Engineered Wood, BF Equivalent	315,537	426,568	815,409	686,648	2,244,162	70,157	35,668	84,595	110,471	300,891	385,694	462,236	900,004	797,119	2,545,053
Total Lbr. & Eng. Lumber, BF equivalent	580,094	880,887	1,727,649	966,895	4,155,524	151,077	77,892	192,605	199,515	621,090	731,171	958,779	1,920,255	1,166,409	4,776,614

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WOOD USAGE IN FLOOR FRAMING - GROUND FLOOR															
FLOOR JOISTS - GROUND FLOOR															
2 x 4s (Trusses), BF	6,621	86,243	104,256	16,419	213,540	608	2,814	2,428	222	6,072	7,229	89,057	106,684	16,641	219,611
2 x 8s, BF Lumber	6,938	8,965	8,599	15,480	39,983	1,078	3,819	655	107	5,658	8,015	12,784	9,254	15,588	45,641
2 x 10s, BF Lumber	100,833	164,992	195,220	73,607	534,652	13,891	6,513	13,611	990	35,005	114,723	171,506	208,831	74,597	569,657
2 x 12s, BF Lumber	21,236	27,285	61,460	28,224	138,205	5,116	2,138	3,769	2,584	13,607	26,353	29,423	65,229	30,808	151,812
Subtotal: Lumber in Floor Joists, BF	135,628	287,485	369,535	133,731	926,379	20,693	15,284	20,463	3,903	60,342	156,321	302,769	389,998	137,634	986,721
I-joists, LF	60,718	105,297	123,102	151,001	440,118	4,742	3,193	22,844	10,775	41,554	65,460	108,490	145,946	161,776	481,672
I-joists, BF equivalent	121,436	210,595	246,204	302,001	880,236	9,485	6,386	45,687	21,551	83,109	130,921	216,980	291,891	323,552	963,344
Total Lbr. & Eng. Lumber, BF equivalent	257,064	498,080	615,739	435,732	1,806,615	30,178	21,669	66,150	25,454	143,451	287,242	519,749	681,889	461,186	1,950,066
FLOOR BEAMS - GROUND FLOOR															
Built-up Dimension Lumber, BF	18,420	22,626	62,630	1,703	105,379	6,929	3,148	3,053	7,001	20,130	25,349	25,774	65,683	8,703	125,509
Solid Sawn Beams, BF	3,884	2,339	6,501	26,300	39,024	2,286	61	0	2,452	4,798	6,170	2,400	6,501	28,751	43,822
Glulam, BF	703	6,223	10,653	13,360	30,939	7,035	156	238	937	8,365	7,738	6,379	10,891	14,297	39,305
LVL, Cubic Feet	1,934	3,750	5,425	2,185	13,294	602	813	548	1,576	3,538	2,536	4,563	5,972	3,761	16,832
LVL, BF equivalent	30,944	60,000	86,794	34,967	212,706	9,635	13,004	8,761	25,210	56,609	40,579	73,004	95,555	60,177	269,315
Timberstrand™, Cubic Feet	122	519	797	63	1,501	4	0	0	59	63	126	519	797	122	1,564
Timberstrand™, BF equivalent	1,959	8,304	12,747	1,002	24,012	62	2	0	947	1,010	2,021	8,305	12,747	1,949	25,022
Parallam™, Cubic Feet	636	224	154	647	1,662	147	1	6	114	267	783	224	160	761	1,929
Parallam™, BF equivalent	10,177	3,579	2,471	10,358	26,586	2,348	10	93	1,821	4,272	12,525	3,589	2,565	12,179	30,858
I-joists, LF	16	1,062	3,623	0	4,701	1,912	3	31	1,162	3,109	1,928	1,065	3,655	1,162	7,810
I-joist, BF equivalent	32	2,124	7,246	0	9,402	3,824	6	63	2,324	6,217	3,856	2,130	7,309	2,324	15,619
Total Lbr. & Eng. Lumber, BF equivalent	66,120	105,195	189,043	87,690	448,048	32,118	16,386	12,208	40,691	101,403	98,238	121,581	201,251	128,381	549,451
RIM BOARDS FOR I-JOISTS - GROUND FLOOR															
Lumber, BF	1,306	962	1,515	2,235	6,017	75	34	121	12	243	1,382	996	1,636	2,247	6,260
Timberstrand™, Cubic Feet	571	827	744	1,177	3,320	9	30	5	63	107	580	857	750	1,240	3,427
Timberstrand™, BF equivalent	9,141	13,231	11,912	18,832	53,116	138	482	86	1,006	1,712	9,279	13,712	11,997	19,839	54,828
I-joist, LF	671	1,032	1,090	1,370	4,162	0	6	26	15	47	671	1,038	1,116	1,385	4,209
I-joist, BF equivalent	1,342	2,063	2,179	2,740	8,324	0	12	52	31	95	1,342	2,075	2,231	2,771	8,418
LVL, Cubic Feet	33	139	83	169	424	1	7	2	6	16	34	145	85	176	440
LVL, BF equivalent	532	2,219	1,326	2,712	6,789	10	107	31	104	252	542	2,326	1,358	2,816	7,041
Glulam, BF	4	279	0	91	374	0	0	0	0	0	4	279	0	91	374
Plywood, 3/8 inch basis	266	316	427	145	1,153	86	102	87	0	274	352	417	513	145	1,428
Plywood, BF equivalent	177	211	284	97	769	57	68	58	0	183	235	278	342	97	952
OSB, 3/8 inch basis	2,830	11,403	8,209	7,961	30,403	483	41	133	35	693	3,313	11,444	8,342	7,996	31,096
OSB, BF equivalent	1,887	7,602	5,473	5,307	20,269	322	28	88	24	462	2,209	7,630	5,561	5,331	20,730
Total Lbr. & Eng. Lumber, BF equivalent	14,389	26,566	22,689	32,014	95,658	603	730	436	1,177	2,945	14,992	27,296	23,125	33,191	98,603
TOTAL WOOD USAGE IN FLOOR FRAMING (Excluding boards) - GROUND FLOOR															
Lumber Equivalent															
Lumber, BF	159,239	313,412	440,181	163,968	1,076,799	29,983	18,526	23,637	13,368	85,513	189,221	331,938	463,817	177,336	1,162,313
Glulam, BF	708	6,502	10,653	13,450	31,313	7,035	156	238	937	8,365	7,742	6,658	10,891	14,387	39,679
I-joists, LF	61,405	107,391	127,815	152,371	448,981	6,655	3,202	22,901	11,953	44,710	68,059	110,593	150,716	164,323	493,691
I-joist, BF equivalent	122,809	214,782	255,630	304,741	897,962	13,309	6,404	45,802	23,905	89,421	136,119	221,185	301,431	328,647	987,382
LVL, Cubic Feet	1,967	3,889	5,508	2,355	13,718	603	819	550	1,582	3,554	2,570	4,708	6,057	3,937	17,272
LVL, BF equivalent	31,476	62,219	88,121	37,679	219,495	9,644	13,110	8,792	25,314	56,861	41,121	75,330	96,913	62,993	276,356
Parallam™, Cubic Feet	636	224	154	647	1,662	147	1	6	114	267	783	224	160	761	1,929
Parallam™, BF equivalent	10,177	3,579	2,471	10,358	26,586	2,348	10	93	1,821	4,272	12,525	3,589	2,565	12,179	30,858
Timberstrand™, Cubic Feet	694	1,346	1,541	1,240	4,821	12	30	5	122	170	706	1,376	1,547	1,362	4,991
Timberstrand™, BF equivalent	11,100	21,535	24,659	19,835	77,128	200	483	86	1,953	2,722	11,300	22,018	24,744	21,788	79,850
Plywood - BF equivalent	177	211	284	97	769	57	68	58	0	183	235	278	342	97	952
OSB - BF equivalent	1,887	7,602	5,473	5,307	20,269	322	28	88	24	462	2,209	7,630	5,561	5,331	20,730
Total Engineered Wood, BF Equivalent	178,334	316,429	387,291	391,468	1,273,522	32,916	20,259	55,157	53,954	162,286	211,250	336,688	442,447	445,422	1,435,807
Total Lbr. & Eng. Lumber, BF equivalent	337,573	629,841	827,471	555,436	2,350,321	62,899	38,786	78,793	67,322	247,799	400,471	668,627	906,265	622,757	2,598,120

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WOOD USAGE IN FLOOR FRAMING - UPPER FLOORS															
FLOOR JOISTS - UPPER FLOORS															
2 x 4s (Trusses), BF	10,326	30,184	210,146	37,829	288,484	5,290	9,745	68,017	20,184	103,237	15,616	39,929	278,163	58,013	391,721
2 x 8s, BF Lumber	4,256	4,069	6,040	7,922	22,287	2,125	3,527	470	1,326	7,448	6,381	7,596	6,510	9,248	29,735
2 x 10s, BF Lumber	61,853	74,890	137,109	37,668	311,520	27,390	6,016	9,769	12,237	55,412	89,243	80,906	146,878	49,905	366,932
2 x 12s, BF Lumber	13,027	12,384	43,165	14,444	83,020	10,089	1,975	2,705	31,930	46,699	23,115	14,360	45,871	46,373	129,719
Subtotal: Lumber in Floor Joists, BF	89,461	121,528	396,460	97,862	705,311	44,894	21,263	80,962	65,677	212,796	134,355	142,791	477,422	163,538	918,107
I-joists, LF	40,373	31,366	110,029	87,298	269,066	5,825	4,378	8,126	11,768	30,098	46,198	35,744	118,154	99,066	299,163
I-joists, BF equivalent	80,746	62,733	220,057	174,595	538,131	11,650	8,756	16,251	23,537	60,195	92,396	71,489	236,309	198,132	598,326
Total Lbr. & Eng. Lumber, BF equivalent	170,207	184,260	616,518	272,457	1,243,442	56,545	30,020	97,213	89,213	272,991	226,751	214,280	713,731	361,671	1,516,433
FLOOR BEAMS - UPPER FLOORS															
Built-up Dimension Lumber, BF	11,997	17,038	65,797	2,117	96,949	4,513	2,370	3,207	8,705	18,796	16,510	19,409	69,004	10,822	115,745
Solid Sawn Beams, BF	2,464	1,988	7,241	13,735	25,427	1,450	51	0	1,280	2,782	3,914	2,039	7,241	15,015	28,210
Glulam, BF	911	1,208	17,242	16,060	35,421	9,106	30	385	1,126	10,647	10,017	1,238	17,627	17,187	46,068
LVL, Cubic Feet	2,090	1,832	7,370	1,285	12,577	651	397	744	926	2,718	2,741	2,229	8,114	2,211	15,295
LVL, BF equivalent	33,442	29,313	117,922	20,558	201,236	10,412	6,353	11,903	14,822	43,490	43,854	35,666	129,825	35,380	244,725
Timberstrand™, Cubic Feet	140	185	1,120	348	1,792	4	0	0	328	333	144	185	1,120	676	2,125
Timberstrand™, BF equivalent	2,236	2,957	17,919	5,564	28,675	70	1	0	5,255	5,326	2,307	2,957	17,919	10,818	34,001
Parallam™, Cubic Feet	366	233	432	2,764	3,795	84	1	16	486	587	450	234	448	3,250	4,382
Parallam™, BF equivalent	5,852	3,731	6,914	44,227	60,724	1,350	10	261	7,773	9,395	7,202	3,741	7,175	52,001	70,119
I-joists, LF	17	391	6,128	0	6,535	2,044	1	53	1,334	3,432	2,061	392	6,181	1,334	9,967
I-joist, BF equivalent	34	781	12,255	0	13,070	4,087	2	106	2,667	6,863	4,121	783	12,361	2,667	19,933
Total Lbr. & Eng. Lumber, BF equivalent	56,936	57,015	245,290	102,261	461,501	30,989	8,818	15,862	41,629	97,299	87,925	65,834	261,152	143,890	558,801
RIM BOARDS FOR I-JOISTS - UPPER FLOORS															
Lumber, BF	1,396	354	2,561	2,565	6,876	80	13	205	14	312	1,477	366	2,766	2,579	7,188
Timberstrand™, Cubic Feet	611	304	1,259	1,351	3,525	9	11	9	72	102	620	315	1,268	1,423	3,626
Timberstrand™, BF equivalent	9,770	4,866	20,144	21,613	56,393	148	177	145	1,155	1,625	9,918	5,043	20,289	22,768	58,018
I-joist, LF	717	379	1,843	1,572	4,511	0	2	44	18	64	717	382	1,887	1,590	4,575
I-joist, BF equivalent	1,434	759	3,686	3,145	9,023	0	4	87	35	127	1,434	763	3,773	3,180	9,150
LVL, Cubic Feet	36	51	140	195	421	1	2	3	7	14	36	53	144	202	435
LVL, BF equivalent	569	816	2,243	3,112	6,740	10	39	53	119	222	579	855	2,296	3,231	6,962
Glulam, BF	5	103	0	104	211	0	0	0	0	0	5	103	0	104	211
Plywood, 3/8 inch basis	284	116	721	167	1,288	92	37	146	0	276	376	154	868	167	1,564
Plywood, BF equivalent	189	77	481	111	859	61	25	98	0	184	251	102	578	111	1,043
OSB, 3/8 inch basis	3,025	4,193	13,883	9,136	30,237	516	15	224	41	797	3,541	4,209	14,107	9,177	31,034
OSB, BF equivalent	2,016	2,796	9,255	6,091	20,158	344	10	149	27	531	2,361	2,806	9,405	6,118	20,689
Total Lbr. & Eng. Lumber, BF equivalent	15,379	9,770	38,371	36,741	100,260	644	269	737	1,351	3,000	16,023	10,038	39,108	38,092	103,261
TOTAL WOOD USAGE IN FLOOR FRAMING (Excluding boards) - UPPER FLOORS															
Lumber Equivalent															
Lumber, BF	105,318	140,907	472,059	116,279	834,563	50,938	23,698	84,374	75,676	234,685	156,256	164,605	556,433	191,955	1,069,249
Glulam, BF	915	1,310	17,242	16,164	35,632	9,106	30	385	1,126	10,647	10,021	1,341	17,627	17,291	46,279
I-joists, LF	41,107	32,136	117,999	88,870	280,112	7,869	4,382	8,223	13,120	33,593	48,976	36,518	126,221	101,990	313,705
I-joist, BF equivalent	82,214	64,272	235,998	177,740	560,224	15,738	8,763	16,445	26,239	67,185	97,952	73,035	252,443	203,979	627,409
LVL, Cubic Feet	2,126	1,883	7,510	1,479	12,998	651	400	747	934	2,732	2,777	2,283	8,258	2,413	15,730
LVL, BF equivalent	34,010	30,129	120,166	23,670	207,975	10,423	6,392	11,956	14,941	43,712	44,433	36,522	132,121	38,611	251,687
Parallam™, Cubic Feet	366	233	432	2,764	3,795	84	1	16	486	587	450	234	448	3,250	4,382
Parallam™, BF equivalent	5,852	3,731	6,914	44,227	60,724	1,350	10	261	7,773	9,395	7,202	3,741	7,175	52,001	70,119
Timberstrand™, Cubic Feet	750	489	2,379	1,699	5,317	14	11	9	401	434	764	500	2,388	2,099	5,751
Timberstrand™, BF equivalent	12,006	7,822	38,063	27,177	85,068	218	178	145	6,410	6,950	12,224	8,000	38,208	33,586	92,019
Plywood - BF equivalent	189	77	481	111	859	61	25	98	0	184	251	102	578	111	1,043
OSB - BF equivalent	2,016	2,796	9,255	6,091	20,158	344	10	149	27	531	2,361	2,806	9,405	6,118	20,689
Total Engineered Wood, BF Equivalent	137,203	110,138	428,118	295,181	970,640	37,241	15,409	29,438	56,517	138,605	174,444	125,547	457,557	351,698	1,109,245
Total Lbr. & Eng. Lumber, BF equivalent	242,521	251,046	900,178	411,459	1,805,204	88,178	39,107	113,812	132,193	373,290	330,700	290,152	1,013,990	543,652	2,178,494

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WOOD USAGE IN FLOOR SYSTEMS															
LUMBER & ENGINEERED LUMBER															
ALL FLOORS															
Total Lbr. & Eng. Lumber, BF equivalent	581,047	887,878	1,737,882	991,786	4,198,593	151,077	77,893	192,608	199,515	621,093	732,124	965,770	1,930,490	1,191,302	4,819,686
Concrete, BF equivalent	37,135	48,370	1,944,052	712,067	2,741,625	48,560	29,631	126,815	115,969	320,975	85,695	78,001	2,070,866	828,037	3,062,600
Steel, BF equivalent	2,870	9,784	11,924	12,631	37,208	656	1,741	1,403	808	4,609	3,526	11,525	13,328	13,438	41,817
Total Material, BF equivalent	621,052	946,031	3,693,858	1,716,484	6,977,426	200,293	109,265	320,826	316,292	946,676	821,345	1,055,296	4,014,684	2,032,777	7,924,102
GROUND FLOOR															
Total Lbr. & Eng. Lumber, BF equivalent	338,167	635,042	835,212	574,735	2,383,156	62,899	38,786	78,794	67,322	247,801	401,066	673,828	914,006	642,057	2,630,957
Concrete, BF equivalent	37,135	47,140	1,903,288	710,716	2,698,279	45,649	29,601	97,066	115,969	288,285	82,784	76,741	2,000,353	826,685	2,986,564
Steel, BF equivalent	1,758	7,696	10,260	3,268	22,981	561	0	0	0	561	2,319	7,696	10,260	3,268	23,543
Total Material, BF equivalent	377,060	689,878	2,748,759	1,288,719	5,104,416	109,109	68,387	175,860	183,291	536,647	486,169	758,265	2,924,619	1,472,010	5,641,063
UPPER FLOORS															
Total Lbr. & Eng. Lumber, BF equivalent	242,879	252,836	902,671	417,051	1,815,437	88,178	39,107	113,813	132,193	373,292	331,058	291,943	1,016,484	549,245	2,188,729
Concrete, BF equivalent	0	1,230	40,764	1,352	43,346	2,912	30	29,749	0	32,690	2,912	1,260	70,513	1,352	76,036
Steel, BF equivalent	1,112	2,088	1,664	9,363	14,227	95	1,741	1,403	808	4,047	1,207	3,829	3,068	10,170	18,274
Total Material, BF equivalent	243,991	256,154	945,099	427,766	1,873,010	91,185	40,878	144,966	133,001	410,030	335,176	297,031	1,090,065	560,767	2,283,039
STRUCTURAL AND NONSTRUCTURAL PANELS															
ALL FLOORS															
Total Panels, SF 3/8" basis equivalent	643,261	1,026,200	1,980,860	1,085,841	4,736,162	133,399	86,604	251,392	151,705	623,100	776,659	1,112,803	2,232,253	1,237,546	5,359,262
Concrete, SF 3/8" basis equivalent	43,650	68,848	2,095,389	773,611	2,981,497	33,962	28,348	182,212	60,120	304,643	77,613	97,196	2,277,601	833,731	3,286,140
Total Material, BF equivalent	686,911	1,095,047	4,076,249	1,859,452	7,717,659	167,361	114,952	433,605	211,825	927,743	854,272	1,209,999	4,509,854	2,071,277	8,645,402
GROUND FLOOR															
Total Panels, SF 3/8" basis equivalent	417,484	809,408	1,544,469	826,445	3,597,806	133,399	86,604	251,392	151,705	623,100	776,659	1,112,803	2,232,253	1,237,546	5,359,262
Concrete, SF 3/8" basis equivalent	28,154	53,842	1,633,905	589,034	2,304,936	15,944	15,438	94,319	26,392	152,092	44,099	69,280	1,728,224	615,426	2,457,028
Total Material, BF equivalent	445,638	863,251	3,178,374	1,415,479	5,902,742	78,570	62,600	224,447	92,989	458,605	524,208	925,850	3,402,821	1,508,468	6,361,347
UPPER FLOORS															
Total Panels, SF 3/8" basis equivalent	225,777	216,791	436,391	259,397	1,138,356	70,773	39,442	121,264	85,108	316,587	296,550	256,233	557,656	344,505	1,454,943
Concrete, SF 3/8" basis equivalent	15,496	15,005	461,483	184,577	676,561	18,018	12,910	87,894	33,728	152,551	33,514	27,916	549,377	218,305	829,112
Total Material, BF equivalent	241,273	231,797	897,875	443,973	1,814,917	88,791	52,352	209,158	118,836	469,137	330,064	284,149	1,107,033	562,809	2,284,055

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WOOD USAGE IN WALL FRAMING															
WALL FRAMING															
2 x 4s Walls, BF	133,059	366,072	1,345,731	482,344	2,327,205	35,141	22,237	84,983	39,680	182,041	168,200	388,308	1,430,714	522,024	2,509,246
2 x 6s Walls, BF	269,431	223,138	234,262	558,113	1,284,944	13,054	22,368	50,252	65,356	151,029	282,485	245,506	284,514	623,468	1,435,973
Interior 2 x 3s Walls, BF	1,830	2,696	19,070	14,549	38,145	9	993	8,976	0	9,978	1,839	3,689	28,046	14,549	48,123
Interior 2 x 4s Walls, BF	248,556	463,772	1,405,055	685,709	2,803,092	83,500	54,992	185,558	126,349	450,399	332,056	518,763	1,590,613	812,058	3,253,491
Interior 2 x 6s Walls, BF	22,175	39,705	104,034	84,575	250,488	1,849	6,777	15,769	7,224	31,619	24,024	46,482	119,803	91,799	282,107
Treated plates on slabs	9,435	22,358	107,638	49,026	188,457	1,677	1,961	7,132	3,834	14,604	11,112	24,319	114,770	52,860	203,061
Blocking for drywall, 2 x 4, BF	16,490	30,667	91,920	46,919	185,997	4,841	3,503	11,418	7,576	27,338	21,331	34,170	103,338	54,494	213,334
Blocking for drywall, 2 x 6, BF	14,960	27,820	83,387	42,563	168,730	4,504	3,260	10,625	7,049	25,438	19,464	31,080	94,012	49,612	194,168
Subtotal: Dimension Lumber in Walls	715,936	1,176,229	3,391,096	1,963,798	7,247,059	144,575	116,089	374,714	257,067	892,445	860,511	1,292,318	3,765,810	2,220,865	8,139,504
Timberstrand™, BF equivalent	4,821	453	0	1,398	6,672	217	0	0	0	217	5,039	453	0	1,398	6,889
I-joists, LF or BF equivalent	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Post and Beams, BF	4,605	19,992	22,788	82,982	130,367	0	65	30	573	668	4,605	20,057	22,818	83,555	131,036
Logs, BF	9,977	47,144	75,187	40,204	172,512	0	1,079	49	3	1,131	9,977	48,223	75,236	40,206	173,643
Total Lbr. & Eng. Lumber, BF equivalent	735,339	1,243,818	3,489,071	2,088,382	7,556,610	144,793	117,233	374,793	257,642	894,461	880,132	1,361,051	3,863,864	2,346,024	8,451,072
WINDOW AND DOOR HEADERS															
Lumber,BF(Blt-up,Open Web & Flitch Pl'te)	24,720	40,629	140,579	25,820	231,748	4,979	2,958	7,878	4,654	20,469	29,699	43,586	148,457	30,474	252,217
Solid Sawn Beams, BF	1,460	3,358	15,528	43,521	63,866	607	51	606	3,728	4,993	2,067	3,410	16,134	47,249	68,859
Glulam, BF	1,417	4,017	1,031	12,373	18,837	110	625	776	841	2,352	1,527	4,642	1,807	13,213	21,189
I-Joists, LF	45	400	382	267	1,096	0	28	48	0	76	45	428	430	267	1,171
I-joists, BF equivalent	91	801	765	535	2,191	0	56	96	0	152	91	857	861	535	2,343
LVL, Cubic Feet	225	772	1,010	1,013	3,019	26	75	111	68	280	252	846	1,120	1,081	3,300
LVL, BF equivalent	3,603	12,348	16,158	16,201	48,310	423	1,194	1,769	1,095	4,482	4,027	13,543	17,927	17,296	52,792
Parallam™, Cubic Feet	138	141	308	171	758	29	10	249	20	308	167	151	557	192	1,066
Parallam™, BF equivalent	2,209	2,256	4,920	2,743	12,129	467	156	3,985	322	4,929	2,676	2,412	8,905	3,065	17,058
Timberstrand™, Cubic Feet	44	70	249	851	1,215	3	1	0	14	18	48	71	249	865	1,233
Timberstrand™, BF equivalent	712	1,125	3,986	13,612	19,434	53	14	0	222	290	765	1,139	3,986	13,834	19,724
Glued and Nailed Box Beams, BF Lumber	403	257	5,423	1,772	7,855	70	0	30	0	100	473	257	5,453	1,772	7,955
Total Lbr. & Eng. Lumber, BF equivalent	34,615	64,791	188,389	116,576	404,371	6,710	5,054	15,140	10,862	37,766	41,325	69,845	203,529	127,438	442,137
GARAGE DOOR HEADERS															
Lumber, BF (Blt-up,Open Web & Flitch Pl'te)	3,312	3,393	12,182	3,003	21,890	294	716	5,062	0	6,072	3,607	4,109	17,244	3,003	27,962
Solid Sawn Beams, BF	410	1,295	2,647	8,980	13,333	98	0	96	513	707	508	1,295	2,744	9,493	14,040
Glulam, BF	1,651	3,236	16,948	19,805	41,640	856	341	741	1,789	3,726	2,507	3,576	17,689	21,594	45,367
I-Joists, LF	46	145	88	0	279	4	0	0	0	4	50	145	88	0	283
I-joists, BF equivalent	93	290	175	0	558	8	0	0	0	8	101	290	175	0	566
LVL, Cubic Feet	257	958	1,890	477	3,582	12	33	109	118	271	269	991	1,999	595	3,854
LVL, BF equivalent	4,108	15,335	30,238	7,635	57,315	191	521	1,741	1,889	4,342	4,299	15,856	31,978	9,524	61,657
Parallam™, Cubic Feet	106	106	489	287	988	5	0	186	8	199	110	107	675	295	1,187
Parallam™, BF equivalent	1,692	1,702	7,820	4,592	15,806	75	4	2,976	131	3,186	1,767	1,706	10,796	4,723	18,992
Timberstrand™, Cubic Feet	27	69	63	201	360	0	1	10	0	11	28	70	72	202	372
Timberstrand™, BF equivalent	435	1,108	1,003	3,222	5,767	6	17	152	5	180	440	1,124	1,155	3,227	5,947
Glued and Nailed Box Beams, BF Lumber	117	95	214	61	486	0	0	0	0	0	117	95	214	61	486
Total Lbr. & Eng. Lumber, BF equivalent	11,819	26,452	71,227	47,298	156,796	1,527	1,599	10,768	4,327	18,221	13,346	28,051	81,995	51,625	175,017
TOTAL WOOD USAGE IN WALL FRAMING (Excluding boards)															
Lumber Equivalent															
Lumber, BF	760,940	1,292,391	3,665,644	2,170,141	7,889,117	150,624	120,958	388,464	266,538	926,584	911,564	1,413,350	4,054,109	2,436,679	8,815,702
Glulam, BF	3,068	7,253	17,979	32,178	60,478	966	965	1,517	2,629	6,079	4,034	8,218	19,497	34,807	66,556
Timberstrand™, BF equivalent	4,893	592	312	2,450	8,247	221	2	10	14	247	5,114	594	321	2,464	8,493
I-joists, LF	92	545	470	267	1,375	4	28	48	0	80	96	573	518	267	1,454
I-joist, BF equivalent	184	1,091	940	535	2,749	8	56	96	0	159	192	1,146	1,036	535	2,908
LVL, Cubic Feet	482	1,730	2,900	1,490	6,602	38	107	219	187	552	520	1,837	3,119	1,676	7,153
LVL, BF equivalent	7,711	27,683	46,395	23,835	105,625	615	1,716	3,510	2,984	8,824	8,326	29,399	49,905	26,819	114,449
Parallam™, Cubic Feet	244	247	796	458	1,746	34	10	435	28	507	278	257	1,231	487	2,253
Parallam™, BF equivalent	3,901	3,958	12,740	7,336	27,935	541	160	6,961	453	8,115	4,443	4,118	19,701	7,788	36,050
Total Engineered Wood, BF Equivalent	19,757	40,577	78,366	66,333	205,034	2,351	2,899	12,094	6,081	23,424	22,108	43,476	90,460	72,414	228,458
Total Lbr. & Eng. Lumber, BF equivalent	780,698	1,332,968	3,744,011	2,236,474	8,094,151	152,975	123,857	400,558	272,618	950,008	933,673	1,456,825	4,144,569	2,509,093	9,044,159

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WOOD USAGE IN ROOF FRAMING															
TRUSSES, RAFTERS AND CEILING JOISTS															
2 x 4s (Trusses), BF	185,949	598,886	974,855	1,076,487	2,836,176	16,189	39,484	137,168	73,925	266,766	202,137	638,370	1,112,023	1,150,412	3,102,942
2 x 6s (Rafters), BF	73,969	67,835	746,938	60,386	949,128	16,215	1,857	15,680	2,549	36,300	90,184	69,692	762,618	62,935	985,429
2 x 8s (Rafters), BF	140,179	128,538	1,413,598	114,373	1,796,689	30,721	3,518	29,664	4,829	68,733	170,901	132,057	1,443,263	119,202	1,865,422
2 x 10s (Rafters), BF	32,414	29,744	329,257	26,528	417,943	7,114	814	6,922	1,118	15,968	39,529	30,558	336,179	27,646	433,911
Turn Gables, 2 x 4s, BF	15,358	42,300	97,882	45,074	200,615	443	235	258	226	1,162	15,802	42,535	98,139	45,300	201,777
Dormers, 2 x 4s, BF	39,579	53,047	266,410	91,029	450,065	480	984	3,237	6,536	11,237	40,059	54,031	269,647	97,565	461,301
Soffit, 2 x 4s, BF	30,333	69,703	244,102	109,722	453,860	2,031	3,055	7,284	6,468	18,838	32,364	72,758	251,386	116,190	472,698
Fascia and Rakes, 2 x 6s, BF	20,801	45,384	146,684	67,033	279,903	1,169	1,491	3,957	3,000	9,617	21,970	46,875	150,641	70,034	289,520
Subtotal: Framing Lumber in Roofs	538,582	1,035,438	4,219,726	1,590,634	7,384,379	74,362	51,438	204,170	98,651	428,621	612,945	1,086,875	4,423,896	1,689,284	7,813,000
I-joists, LF	2,764	7,152	22,571	7,557	40,044	630	72	1,655	853	3,210	3,394	7,224	24,225	8,409	43,253
I-joist, BF equivalent	5,528	14,305	45,141	15,113	80,087	1,260	144	3,309	1,706	6,419	6,788	14,448	48,451	16,819	86,506
Total Lbr. & Eng. Lumber, BF equivalent	544,110	1,049,742	4,264,867	1,605,747	7,464,467	75,623	51,581	207,480	100,356	435,040	619,733	1,101,324	4,472,347	1,706,103	7,899,507
ROOF BEAMS (incl. Beam and Purlin Construction)															
Built-up Dimension Lumber, BF	8,858	8,602	151,518	1,363	170,341	4,023	962	4,710	2,386	12,081	12,881	9,564	156,228	3,749	182,422
Solid Sawn Beams, BF	1,587	658	12,355	6,123	20,723	500	10	1,725	636	2,871	2,086	668	14,080	6,759	23,594
Glulam, BF	1,724	3,552	18,305	11,549	35,130	0	369	746	4,282	5,396	1,724	3,920	19,051	15,831	40,526
LVL, Cubic Feet	387	450	1,450	106	2,393	110	25	201	59	395	497	475	1,651	164	2,788
LVL, BF equivalent	6,192	7,199	23,203	1,691	38,283	1,764	397	3,221	941	6,323	7,955	7,596	26,423	2,632	44,606
Timberstrand™, Cubic Feet	45	16	54	88	203	1	1	0	1	3	46	17	54	88	206
Timberstrand™, BF equivalent	720	251	868	1,400	3,240	20	16	0	14	50	740	267	868	1,414	3,290
Parallam™, Cubic Feet	24	7	23	113	167	0	2	0	2	4	24	8	23	115	171
Parallam™, BF equivalent	389	105	371	1,810	2,675	0	27	0	38	65	389	132	371	1,847	2,740
I-joists, LF	94	302	482	0	878	0	0	0	247	247	94	302	482	247	1,125
I-joist, BF equivalent	188	604	964	0	1,756	0	0	0	494	494	188	604	964	494	2,251
Total Lbr. & Eng. Lumber, BF equivalent	19,658	20,970	207,584	23,936	272,148	6,306	1,782	10,402	8,791	27,280	25,964	22,752	217,985	32,727	299,428
TOTAL WOOD USAGE IN ROOF FRAMING (Excluding boards)															
Lumber Equivalent															
Lumber, BF	549,027	1,044,698	4,383,598	1,598,120	7,575,443	78,885	52,410	210,606	101,672	443,573	627,912	1,097,108	4,594,204	1,699,793	8,019,015
Glulam, BF	1,724	3,552	18,305	11,549	35,130	0	369	746	4,282	5,396	1,724	3,920	19,051	15,831	40,526
I-joists, LF	2,858	7,455	23,053	7,557	40,922	630	72	1,655	1,100	3,457	3,488	7,526	24,707	8,657	44,378
I-joist, BF equivalent	5,716	14,909	46,105	15,113	81,843	1,260	144	3,309	2,200	6,914	6,977	15,053	49,414	17,313	88,757
LVL, Cubic Feet	387	450	1,450	106	2,393	110	25	201	59	395	497	475	1,651	164	2,788
LVL, BF equivalent	6,192	7,199	23,203	1,691	38,283	1,764	397	3,221	941	6,323	7,955	7,596	26,423	2,632	44,606
Timberstrand™, Cubic Feet	45	16	54	88	203	1	1	0	1	3	46	17	54	88	206
Timberstrand™, BF equivalent	720	251	868	1,400	3,240	20	16	0	14	50	740	267	868	1,414	3,290
Parallam™, Cubic Feet	24	7	23	113	167	0	2	0	2	4	24	8	23	115	171
Parallam™, BF equivalent	389	105	371	1,810	2,675	0	27	0	38	65	389	132	371	1,847	2,740
Total Engineered Wood, BF Equivalent	13,632	25,660	87,613	28,353	155,257	3,024	909	7,276	7,423	18,633	16,656	26,569	94,888	35,776	173,890
Total Lbr. & Eng. Lumber, BF equivalent	563,048	1,070,462	4,471,582	1,628,283	7,733,374	81,909	53,347	217,881	109,133	462,271	644,957	1,123,809	4,689,463	1,737,416	8,195,645

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WOOD USAGE IN BEAMS & HEADERS															
Lumber Equivalent															
Lumber, BF	67,828	92,639	438,342	35,839	634,648	20,807	10,155	23,940	22,746	77,647	88,635	102,793	462,282	58,585	712,295
Solid Sawn Beams, BF	9,805	9,638	44,272	98,658	162,373	4,941	173	2,427	8,609	16,151	14,746	9,812	46,699	107,267	178,524
Glulam, BF	6,406	18,235	64,179	73,147	161,967	17,107	1,520	2,886	8,975	30,488	23,513	19,756	67,065	82,122	192,455
I-joists, LF	219	2,300	10,702	267	13,489	3,960	32	132	2,743	6,867	4,179	2,332	10,835	3,010	20,356
I-joists, BF equivalent	438	4,600	21,405	535	26,977	7,920	64	265	5,485	13,734	8,357	4,664	21,670	6,020	40,712
LVL, Cubic Feet	4,962	7,952	17,368	5,430	35,711	1,403	1,351	1,717	2,761	7,232	6,365	9,303	19,085	8,191	42,944
LVL, BF equivalent	79,389	127,230	277,884	86,875	571,379	22,446	21,616	27,478	44,180	115,720	101,835	148,846	305,363	131,055	687,098
Parallam™, Cubic Feet	1,270	711	1,406	3,983	7,370	265	13	457	630	1,365	1,535	724	1,863	4,613	8,735
Parallam™, BF equivalent	20,319	11,373	22,496	63,731	117,920	4,240	208	7,315	10,085	21,848	24,559	11,581	29,812	73,815	139,767
Timberstrand™, Cubic Feet	1,561	1,990	4,286	4,078	11,915	31	44	24	538	637	1,592	2,034	4,310	4,616	12,552
Timberstrand™, BF equivalent	24,973	31,840	68,579	65,246	190,638	497	708	383	8,604	10,192	25,470	32,548	68,962	73,850	200,830
Total Engineered Wood, BF Equivalent	131,525	193,279	454,544	289,533	1,068,881	52,209	24,116	38,327	77,330	191,981	183,734	217,395	492,871	366,863	1,260,862
Total Lbr. & Eng. Lumber, BF equivalent	209,158	295,555	937,158	424,031	1,865,902	77,957	34,444	64,694	108,684	285,779	287,115	329,999	1,001,852	532,715	2,151,682
Plywood - 3/8 inch basis	992	712	7,904	2,548	12,156	90	0	39	0	129	1,083	712	7,943	2,548	12,285

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
UNDERLAYMENT MATERIAL															
SF of Floor Area															
Lauan Plywood - 1/4"	22,391	46,285	72,922	11,373	152,970	5,656	10,735	5,145	2,377	23,914	28,047	57,020	78,067	13,750	176,884
OSB - 1/4"	1,074	4,101	901	9,755	15,831	26	172	15	4,922	5,135	1,100	4,273	916	14,677	20,966
OSB - 3/8"	823	6,503	499	8,526	16,352	0	25	19	5,450	5,494	823	6,528	519	13,975	21,846
OSB - 7/16" OR 1/2"	180	231	640	3,515	4,566	0	0	5	1,641	1,646	180	231	646	5,155	6,212
OSB - 5/8"	2,999	27	6,356	917	10,299	0	0	4,799	0	4,799	2,999	27	11,155	917	15,098
OSB - 3/4"	4,156	526	13,675	1,284	19,641	5,897	0	14,940	0	20,837	10,053	526	28,615	1,284	40,478
Plywood - 1/4"	4,510	10,307	4,271	4,106	23,195	1,256	3,139	816	237	5,448	5,766	13,446	5,087	4,343	28,642
Plywood - 3/8"	6,669	4,511	8,151	3,161	22,492	1,943	180	98	1,641	3,862	8,613	4,691	8,248	4,802	26,354
Plywood - 1/2"	6,847	3,493	4,219	2,214	16,773	2,224	407	11	223	2,864	9,071	3,900	4,230	2,436	19,638
Plywood - 5/8"	2,519	1,108	7,797	797	12,220	0	0	4,794	0	4,794	2,519	1,108	12,591	797	17,014
Plywood - 3/4"	9,153	1,064	22,658	4,302	37,176	1,481	0	35	0	1,516	10,634	1,064	22,693	4,302	38,692
Particleboard - 1/4"	0	50	382	1,232	1,665	0	0	6	1,829	1,835	0	50	389	3,061	3,500
Particleboard - 3/8"	5	4,530	148	9,465	14,148	0	0	1	88	89	5	4,530	150	9,553	14,237
Particleboard - 1/2"	96	956	241	25,112	26,405	0	168	8	111	286	96	1,124	249	25,223	26,691
Particleboard - 5/8"	54	518	2,520	2,287	5,378	0	0	2	0	2	54	518	2,522	2,287	5,380
Particleboard - 3/4"	135	412	1,865	1,424	3,837	0	0	0	0	0	135	412	1,865	1,424	3,837
Hardboard - 1/4"	702	6,901	4,412	3,380	15,396	165	48	9	1,641	1,864	868	6,950	4,422	5,020	17,260
Cementitious Board	21,132	31,243	76,451	70,867	199,693	606	937	1,238	2,115	4,896	21,738	32,180	77,689	72,982	204,590
Fiberbond	278	1,479	2,859	3,956	8,572	0	11	2	0	13	278	1,490	2,862	3,956	8,585
TOTAL	83,727	130,371	277,031	176,810	667,938	21,617	25,753	78,081	26,817	152,269	105,344	156,124	355,113	203,626	820,207
UNDERLAYMENT VOLUMES															
Plywood, SF 3/8" Basis	41,309	20,014	74,935	18,781	155,039	8,709	2,816	8,716	2,095	22,336	50,017	22,830	83,651	20,877	177,375
Lauan Plywood, SF 3/8" Basis	14,927	30,856	48,614	7,582	101,980	3,771	7,157	3,430	1,585	15,942	18,698	38,013	52,045	9,167	117,923
OSB, SF 3/8" Basis	15,076	10,623	39,844	23,518	89,061	11,812	139	37,914	10,782	60,647	26,887	10,763	77,758	34,300	149,708
Particleboard, SF 3/8" Basis	495	7,524	8,654	50,429	67,102	0	224	19	1,454	1,697	495	7,748	8,673	51,883	68,799
Hardboard, SF 3/8" Basis	468	4,601	2,942	2,253	10,264	110	32	6	1,094	1,242	578	4,633	2,948	3,347	11,506
Other	18,482	18,477	50,097	43,403	130,460	684	382	796	1,342	3,203	19,166	18,859	50,893	44,744	133,662
Total Panel Potential, 3/8" basis equiv	90,757	92,096	225,087	145,966	553,906	25,085	10,750	50,881	18,352	105,068	115,842	102,847	275,968	164,318	658,974

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WOOD USAGE IN SHEATHING															
FLOOR SHEATHING															
SF of 1st & 2nd Story Floor Area															
None - Slab or Stress Skin Panel	17,932	25,414	960,013	362,788	1,366,146	14,800	11,851	75,913	29,052	131,617	32,732	37,265	1,035,926	391,840	1,497,764
Plywood - 1/2"	9,252	11,658	10,624	7,101	38,635	3,248	42	300	3,119	6,708	12,501	11,700	10,924	10,219	45,343
Plywood - 5/8"	35,228	11,641	22,905	23,850	93,623	6,041	6,200	5,529	3,786	21,556	41,269	17,841	28,434	27,636	115,180
Plywood - 3/4"	77,458	91,480	136,219	99,559	404,716	17,929	12,272	27,923	30,897	89,021	95,387	103,752	164,143	130,456	493,737
Plywood - 1 1/8"	533	1,579	46,129	18,296	66,537	2	45	80	685	812	535	1,623	46,209	18,981	67,349
OSB - 7/16" OR 1/2"	740	10,267	6,278	11,421	28,707	34	27	250	8,756	9,067	774	10,295	6,529	20,176	37,774
OSB - 5/8"	24,730	12,813	52,468	50,152	140,163	5,320	2,609	20,049	9,665	37,644	30,050	15,423	72,517	59,818	177,807
OSB - 3/4"	130,985	332,059	593,651	256,287	1,312,982	24,889	17,713	50,549	14,325	107,475	155,874	349,772	644,200	270,612	1,420,458
OSB - 7/8"	653	7,487	7,706	18,127	33,973	3	174	124	1,539	1,840	656	7,661	7,830	19,666	35,813
OSB - 1"	14,002	562	684	1,145	16,392	13	355	36	121	525	14,015	917	719	1,265	16,917
OSB - 1 1/8"	129	3,936	13,261	7,772	25,097	1	1	125	11	138	130	3,937	13,385	7,783	25,235
Boards - 1"	684	1,160	5,925	17,473	25,241	0	0	0	0	0	684	1,160	5,925	17,473	25,241
Boards - 2"	134	2,916	2,154	3,710	8,914	0	0	1	0	1	135	2,916	2,155	3,710	8,915
Other	44	6,226	3,364	2,504	12,138	7	1,497	1,443	67	3,014	51	7,723	4,807	2,571	15,152
TOTAL	312,504	519,198	1,861,381	880,183	3,573,266	72,287	52,787	182,322	102,022	409,418	384,791	571,985	2,043,703	982,205	3,982,684
FLOOR SHEATHING VOLUMES															
Plywood, SF 3/8" basis	227,564	222,641	463,165	303,225	1,216,596	50,263	35,067	65,702	74,316	225,349	277,828	257,708	528,867	377,541	1,441,944
OSB, SF 3/8" basis	343,421	729,939	1,342,706	680,053	3,096,120	58,734	41,169	135,605	60,378	295,886	402,156	771,108	1,478,311	740,432	3,392,006
Boards / other, 3/8" str'l pn'l basis equiv.	1,677	20,298	23,220	47,173	92,368	14	2,893	2,770	124	5,800	1,690	23,191	25,990	47,297	98,168
Total Panel Potential, 3/8" basis equiv	572,662	972,878	1,829,091	1,030,452	4,405,083	109,011	79,128	204,077	134,818	527,035	681,673	1,052,007	2,033,168	1,165,270	4,932,118

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WALL SHEATHING															
SF of Exterior Wall															
None (Stress Skin Panel or Other)	15,784	25,378	413,457	55,006	509,625	1,343	266	23,585	5,204	30,398	17,127	25,645	437,041	60,211	540,024
Plywood - 3/8"	374	1,252	4,921	30,577	37,123	564	6	219	9,768	10,556	938	1,257	5,140	40,345	47,679
Plywood - 1/2"	112,610	61,036	182,529	47,293	403,468	6,605	6,656	1,371	5,950	20,581	119,214	67,692	183,900	53,243	424,049
Plywood - 5/8"	13,341	4,661	17,600	49,293	84,896	2,303	144	247	18	2,713	15,644	4,805	17,848	49,311	87,608
Plywood - 3/4"	4,283	1,043	1,559	1,709	8,594	0	1	43	8	53	4,283	1,044	1,603	1,717	8,646
OSB - 3/8"	2,957	4,865	91,338	131,317	230,477	1,716	21	790	14,087	16,615	4,673	4,887	92,128	145,404	247,092
OSB - 7/16" OR 1/2"	304,525	493,838	1,287,292	604,245	2,689,900	25,805	19,115	82,760	46,704	174,383	330,329	512,952	1,370,052	650,949	2,864,283
OSB - 5/8"	7,459	9,985	105,037	75,189	197,670	847	2,760	7,141	1,978	12,726	8,307	12,744	112,177	77,167	210,395
OSB - 3/4"	2,282	5,683	3,751	8,564	20,280	2,024	2	2,511	277	4,814	4,306	5,686	6,261	8,841	25,094
Fiberboard - 1/2"	3,246	34,037	107,234	7,946	152,462	0	963	733	54	1,751	3,246	35,000	107,966	8,000	154,213
Cementitious Board	103	614	3,107	3,575	7,400	52	69	3	1	124	155	683	3,110	3,575	7,523
Gypsum	0	11,036	33,232	29,939	74,208	3,614	5,511	13,864	105	23,094	3,614	16,547	47,097	30,044	97,302
Foil Faced 3-ply Kraft Paper - 1/8"	79	5,709	93,984	952	100,724	0	6,029	211	41	6,281	79	11,738	94,195	993	107,004
Boards - 1"	401	4,199	1,312	18	5,929	30	0	0	0	30	430	4,199	1,312	18	5,959
Foam	26,517	124,920	260,558	171,858	583,853	1,275	2,487	3,317	3,948	11,027	27,792	127,408	263,875	175,805	594,880
Other	1,403	19,039	2,171	56,457	79,070	648	152	95	3	897	2,050	19,190	2,267	56,460	79,967
TOTAL	495,362	807,296	2,609,083	1,273,938	5,185,678	46,825	44,182	136,890	88,145	316,042	542,187	851,478	2,745,972	1,362,083	5,501,720
WALL SHEATHING VOLUMES															
Plywood, SF 3/8" basis	181,320	92,487	280,746	179,207	733,761	13,209	9,122	2,545	17,748	42,624	194,529	101,609	283,291	196,955	776,385
OSB, SF 3/8" basis	425,986	691,324	1,990,290	1,079,420	4,187,020	41,583	30,111	128,059	80,210	279,962	467,569	721,434	2,118,349	1,159,630	4,466,983
Foam, SF 3/8" str'l panel basis equivalent	35,960	168,132	349,308	228,125	781,524	1,753	3,400	4,556	4,908	14,617	37,712	171,532	353,864	233,032	796,141
Boards / other, 3/8" str'l pn'l basis equiv.	7,094	100,452	323,142	131,262	561,951	5,969	17,391	20,475	252	44,088	13,063	117,843	343,618	131,515	606,039
Total Panel Potential, 3/8" basis equiv	650,360	1,052,395	2,943,486	1,618,015	6,264,256	62,513	60,024	155,636	103,118	381,292	712,873	1,112,419	3,099,122	1,721,132	6,645,547

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
ROOF SHEATHING															
SF of Roof Area															
None	79	949	16,212	1,460	18,700	0	186	0	0	186	79	1,135	16,212	1,460	18,886
Plywood - 3/8"	20,273	722	21,786	23,920	66,701	1,060	0	394	839	2,294	21,333	723	22,180	24,759	68,995
Plywood - 1/2"	128,163	106,306	239,912	106,423	580,804	19,831	7,959	3,369	22,056	53,216	147,994	114,265	243,281	128,479	634,020
Plywood - 5/8"	68,597	53,362	189,996	136,415	448,371	7,893	11,056	19,846	19,832	58,627	76,490	64,418	209,842	156,247	506,998
Plywood - 3/4"	11,758	4,428	71,111	58,030	145,327	2,808	1,277	1,602	121	5,807	14,567	5,705	72,712	58,150	151,134
OSB - 7/16" or 1/2"	151,297	620,116	2,274,625	731,532	3,777,569	17,300	27,164	162,059	40,234	246,757	168,598	647,280	2,436,684	771,765	4,024,326
OSB - 5/8"	40,044	42,669	289,181	289,720	661,614	3,829	2,357	14,760	6,664	27,610	43,873	45,026	303,941	296,384	689,223
OSB - 3/4"	2,659	8,571	32,855	76,784	120,870	144	475	1,417	0	2,036	2,803	9,046	34,272	76,784	122,906
Boards - 1" - no spacing	803	11,241	20,295	1,188	33,527	2,099	1	579	0	2,678	2,902	11,241	20,875	1,188	36,206
Boards - 1" - spaced	205	176	1,353	0	1,735	0	0	0	0	0	205	176	1,353	0	1,735
Boards - 2"	145	6,869	177	661	7,851	0	61	0	0	61	145	6,930	177	661	7,912
Other	171	5,784	40,429	1,638	48,022	427	94	0	0	522	598	5,878	40,429	1,638	48,543
TOTAL	424,196	861,193	3,197,932	1,427,771	5,911,092	55,391	50,631	204,025	89,745	399,793	479,587	911,825	3,401,957	1,517,516	6,310,885
ROOF SHEATHING VOLUMES															
Plywood, SF 3/8" Basis	329,003	240,256	800,551	509,236	1,879,046	46,273	31,594	41,166	63,541	182,574	375,276	271,850	841,717	572,777	2,061,620
OSB, SF 3/8" Basis	273,788	915,078	3,580,511	1,611,811	6,381,189	29,737	41,098	243,511	64,751	379,097	303,525	956,176	3,824,023	1,676,562	6,760,286
Boards / Other, 3/8" str'l pn'l basis equiv.	1,888	33,257	87,432	5,198	127,775	3,632	226	810	0	4,668	5,519	33,483	88,242	5,198	132,443
Total Panel Potential, 3/8" basis equiv	604,679	1,188,591	4,468,494	2,126,245	8,388,009	79,641	72,918	285,488	128,292	566,339	684,320	1,261,509	4,753,982	2,254,538	8,954,348

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WOOD USAGE IN MILLWORK															
SIDING MATERIAL															
SF of Exterior Wall															
Plywood panels	4,287	8,196	2,444	25,833	40,760	171	126	2,944	1,194	4,435	4,458	8,322	5,388	27,028	45,195
Hardboard	4,480	21,684	65,574	103,528	195,266	195	146	9,918	2,147	12,406	4,675	21,830	75,493	105,675	207,673
Lumber	22,827	17,702	31,464	33,633	105,625	471	332	32	5,856	6,691	23,298	18,034	31,496	39,488	112,316
Cedar Shingles	32,500	10,452	17,814	14,884	75,650	946	1,524	49	1,728	4,247	33,447	11,976	17,863	16,612	79,897
OSB	850	35,094	12,011	42,004	89,959	196	230	0	31	458	1,046	35,324	12,011	42,036	90,417
Other wood	4,370	12,124	58,924	37,180	112,598	0	1,003	65	5,044	6,113	4,370	13,127	58,989	42,225	118,711
Brick	50,323	103,494	721,551	33,904	909,271	3,997	13,171	18,186	251	35,605	54,320	116,664	739,737	34,154	944,876
Natural Stone	5,015	14,243	114,944	25,258	159,459	437	39	1,126	536	2,138	5,451	14,282	116,069	25,794	161,597
Manufactured Stone	21,668	43,309	56,234	84,403	205,613	2,477	2,077	8,353	5,778	18,684	24,145	45,385	64,587	90,181	224,297
Concrete Stucco	8,580	9,675	360,680	505,678	884,613	2,482	490	45,847	31,151	79,970	11,062	10,165	406,528	536,829	964,583
Acrylic Stucco	5,995	4,477	17,739	45,378	73,590	549	19	7,707	1,202	9,476	6,544	4,496	25,446	46,580	83,066
Concrete block	262	24	918	205	1,409	14	0	1,040	0	1,053	276	24	1,957	205	2,462
Fiber Cement	23,779	64,098	495,561	183,263	766,701	967	3,752	4,746	16,210	25,676	24,746	67,851	500,307	199,473	792,377
Vinyl	215,835	346,806	430,602	28,641	1,021,884	27,262	14,539	13,092	10,412	65,306	243,098	361,345	443,694	39,053	1,087,190
Aluminum	95	4,060	0	8,023	12,179	0	145	842	0	987	95	4,205	842	8,023	13,166
Steel	113	11,634	318	939	13,005	0	1,830	0	0	1,830	113	13,464	318	939	14,834
Other	3,039	226	3,970	384	7,619	0	58	0	0	58	3,039	284	3,970	384	7,677
TOTAL	404,019	707,296	2,390,747	1,173,138	4,675,200	40,163	39,480	113,948	81,541	275,132	444,182	746,776	2,504,695	1,254,679	4,950,332
MILLWORK VOLUMES - Volumes as indicated															
SIDING VOLUMES															
Lumber, BF	32,871	25,491	45,308	48,431	152,100	678	478	46	8,432	9,635	33,549	25,969	45,354	56,863	161,736
Cedar Shakes and Shingles, BF	40,626	13,065	22,267	18,605	94,562	1,183	1,905	61	2,160	5,309	41,808	14,970	22,329	20,765	99,871
Plywood, SF 3/8" Basis	8,916	17,048	5,084	53,734	84,782	356	261	6,123	2,484	9,225	9,272	17,309	11,207	56,218	94,006
OSB, SF 3/8" Basis	1,530	63,169	21,619	75,608	161,925	353	415	0	56	824	1,883	63,583	21,619	75,664	162,750
Hardboard, SF 3/8" Basis	6,586	31,875	96,394	152,187	287,041	286	215	14,580	3,156	18,238	6,872	32,090	110,974	155,343	305,279
SOFFITS AND FASCIA - EAVES & RAKES															
Plywood, SF 3/8" Basis	3,193	4,041	5,984	13,874	27,091	20	196	32	1,177	1,424	3,212	4,238	6,015	15,050	28,516
MDF, SF 3/8" Basis	2,121	9,682	70,035	45,195	127,033	46	76	1,195	4,168	5,485	2,167	9,758	71,230	49,363	132,519
Lumber, BF	8,362	9,098	35,561	56,609	109,630	394	132	1,896	2,236	4,658	8,756	9,230	37,458	58,845	114,289
OSB, SF 3/8" Basis	449	9,166	7,754	15,105	32,474	17	79	41	42	179	466	9,245	7,795	15,147	32,653
ROOFING															
Cedar Shakes and Shingles, BF	6,327	12,529	2,797	8,305	29,959	49	1,148	0	1,347	2,544	6,376	13,677	2,797	9,652	32,503
EXTERIOR ORNAMENTAL TRIM															
Lumber, BF	6,023	13,277	25,594	23,215	68,109	326	727	4,049	4,471	9,572	6,348	14,004	29,642	27,686	77,681
Plywood, SF 3/8" Basis	231	24	1,055	263	1,572	2	0	0	299	301	233	24	1,055	562	1,874
MDF, 3/8" Basis	1,201	8,402	32,589	20,876	63,069	6	335	820	3,075	4,237	1,208	8,737	33,409	23,952	67,305
SHUTTERS															
Lumber, BF	278	462	3,868	3,408	8,016	2	0	0	0	2	280	462	3,868	3,408	8,018

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
EXTERIOR AND INTERIOR DOORS															
Lumber, BF	53,708	103,585	318,611	147,951	623,855	13,805	12,570	37,096	23,489	86,961	67,513	116,156	355,707	171,440	710,816
Plywood, SF 3/8" Basis	109	59	605	1,026	1,798	47	41	0	49	137	156	100	605	1,075	1,936
Hardboard, SF 3/8" Basis	15,322	22,102	103,270	41,863	182,557	4,185	2,892	14,612	5,163	26,852	19,506	24,994	117,882	47,026	209,409
Hardwood Plywood (Incl. Lauan), SF 3/8" Ba	168	2,275	707	872	4,023	271	185	21	61	539	440	2,460	728	934	4,562
Particleboard, SF 3/8" Basis	3,466	3,417	13,530	33,409	53,822	2,828	317	362	7,556	11,063	6,295	3,733	13,892	40,965	64,885
WINDOWS															
Lumber, BF	14,120	23,305	39,037	9,922	86,385	1,011	281	245	644	2,181	15,131	23,587	39,283	10,566	88,566
GARAGE DOORS & FRAMING															
Lumber, BF	5,119	10,188	29,084	20,064	64,456	486	694	2,602	1,760	5,543	5,606	10,882	31,687	21,825	69,999
Hardboard, SF 3/8" Basis	270	85	362	277	995	3	0	6	13	22	272	85	368	290	1,016
MOULDINGS															
Linear Feet Wood Moulding															
Base	95,156	153,940	549,491	259,104	1,057,692	26,573	18,572	73,037	38,992	157,174	121,729	172,512	622,528	298,097	1,214,866
Case	66,228	117,109	376,857	180,701	740,895	16,536	12,423	42,550	26,616	98,126	82,765	129,532	419,407	207,318	839,021
Other	6,984	11,108	39,358	19,988	77,438	1,864	1,301	5,129	2,821	11,115	8,848	12,409	44,487	22,809	88,553
TOTAL	168,368	282,157	965,706	459,794	1,876,025	44,973	32,297	120,716	68,429	266,415	213,341	314,453	1,086,422	528,223	2,142,440
MOULDINGS VOLUMES (based on 97 data)															
Volume measures as indicated															
Softwood Lumber, BF	18,239	36,370	152,413	39,293	246,314	4,770	4,285	19,084	6,826	34,964	23,009	40,655	171,497	46,118	281,279
Hardwood Lumber, BF	9,891	19,723	6,910	10,467	46,991	1,520	1,365	319	914	4,118	11,411	21,089	7,230	11,380	51,109
MDF, SF 3/8" Basis	4,354	8,683	43,335	62,269	118,642	1,556	1,398	4,505	6,981	14,440	5,910	10,081	47,840	69,250	133,082
CLOSET SHELVING (based on 97 data)															
Lumber, BF	47	94	454	178	773	5	4	15	9	34	52	99	469	187	807
Plywood, SF 3/8" Basis	118	235	378	107	838	0	0	0	0	0	118	235	378	107	838
Particleboard / MDF, SF 3/8" Basis	684	1,365	3,783	3,485	9,317	167	150	523	300	1,140	852	1,515	4,305	3,785	10,457
KITCHEN AND VANITY CABINETS															
Lumber - Softwood, BF	1,583	2,626	8,963	5,819	18,991	230	549	2,429	820	4,029	1,814	3,175	11,393	6,639	23,020
Lumber - Hardwood, BF	23,377	33,535	138,019	52,668	247,599	3,813	2,660	13,299	10,202	29,974	27,190	36,195	151,318	62,870	277,573
Plywood - Hardwood (Incl. Lauan), SF 3/8" E	14,899	19,917	59,329	30,771	124,915	2,530	344	9,149	9,460	21,484	17,430	20,260	68,478	40,231	146,399
Hardboard, SF 3/8" Basis	57	159	305	641	1,162	5	3	496	338	843	62	162	801	979	2,005
Particleboard / MDF, SF 3/8" Basis	49,080	135,997	406,832	257,078	848,987	27,505	25,322	55,259	26,945	135,031	76,585	161,319	462,091	284,024	984,019
KITCHEN CABINETS -- TYPE OF DOOR															
Number of Cabinets															
Wood finish, raised panel in frame	1,514	2,610	8,338	4,013	16,475	438	291	551	471	1,751	1,953	2,901	8,889	4,484	18,226
Wood finish, flat panel in frame	308	936	2,306	1,580	5,129	138	86	466	330	1,019	445	1,022	2,772	1,910	6,148
Glass panel in wood frame	68	93	268	220	649	11	13	6	6	35	79	106	274	226	684
Laminate with raised panel look	10	51	1,312	178	1,551	78	27	356	16	477	88	78	1,668	194	2,027
Wood finish, flat panel with no frame	28	76	134	269	507	2	2	251	173	428	30	77	385	443	935
Laminate finish, flat panel with no frame	3	60	131	54	248	9	151	9	33	201	11	211	139	87	449
Other	1	1	44	6	52	1	0	0	0	1	2	1	44	6	52
TOTAL	1,932	3,825	12,533	6,321	24,611	676	570	1,638	1,029	3,912	2,608	4,395	14,171	7,349	28,523

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
VANITY CABINETS -- TYPE OF DOOR															
Number of Cabinets															
Wood finish, raised panel in frame	234	440	1,471	682	2,827	62	49	82	98	291	296	490	1,552	780	3,118
Wood finish, flat panel in frame	50	148	423	274	896	21	12	99	51	183	71	161	522	326	1,079
Glass panel in wood frame	10	14	45	30	99	2	2	0	2	6	11	16	45	32	105
Laminate with raised panel look	0	10	264	32	305	18	4	84	4	110	18	14	347	36	415
Wood finish, flat panel with no frame	4	12	22	52	89	0	0	47	30	77	5	12	69	81	166
Laminate finish, flat panel with no frame	1	8	21	8	39	1	12	5	8	26	1	21	27	16	65
Other	0	0	2	1	3	0	0	0	0	0	0	0	2	1	3
TOTAL	299	633	2,247	1,079	4,258	103	80	317	193	693	402	713	2,564	1,272	4,951
ALL CABINETS -- TYPE OF DOOR															
Number of Cabinets															
Wood finish, raised panel in frame	1,902	3,277	10,476	5,404	21,060	504	342	647	582	2,074	2,406	3,620	11,123	5,986	23,134
Wood finish, flat panel in frame	386	1,143	2,912	2,126	6,567	159	99	577	398	1,233	545	1,242	3,489	2,524	7,801
Glass panel in wood frame	88	119	353	283	843	12	15	6	7	41	100	134	359	290	883
Laminate with raised panel look	18	68	1,628	226	1,940	97	34	462	22	615	115	102	2,091	248	2,555
Wood finish, flat panel with no frame	34	95	183	385	697	3	2	298	203	506	37	97	481	588	1,203
Laminate finish, flat panel with no frame	4	71	162	75	312	10	164	18	44	236	14	234	181	119	547
Other	2	1	54	7	64	1	0	0	0	1	2	1	54	7	65
TOTAL	2,434	4,774	15,769	8,505	31,483	785	656	2,008	1,257	4,706	3,219	5,429	17,778	9,762	36,188
KITCHEN CABINETS -- TYPE OF CABINET FRAME															
Number of Cabinets															
Frameless (European style)	406	484	2,843	1,522	5,255	82	95	617	315	1,109	488	579	3,461	1,836	6,365
Face-framed (traditional)	1,524	3,341	9,674	4,797	19,336	593	474	1,021	714	2,803	2,118	3,815	10,695	5,511	22,139
Other	2	0	15	2	19	0	0	0	0	0	2	0	15	2	19
TOTAL	1,932	3,825	12,533	6,321	24,611	676	570	1,638	1,029	3,912	2,608	4,395	14,171	7,349	28,523
VANITY CABINETS -- TYPE OF CABINET FRAME															
Number of Cabinets															
Frameless (European style)	63	80	510	260	913	13	13	119	59	204	75	93	629	319	1,117
Face-framed (traditional)	236	553	1,735	819	3,342	91	67	197	134	488	327	619	1,932	952	3,831
Other	0	0	3	0	3	0	0	0	0	0	0	0	3	0	3
TOTAL	299	633	2,247	1,079	4,258	103	80	317	193	693	402	713	2,564	1,272	4,951
ALL CABINETS -- TYPE OF CABINET FRAME															
Number of Cabinets															
Frameless (European style)	512	604	3,578	2,048	6,741	95	110	757	385	1,346	607	714	4,334	2,432	8,087
Face-framed (traditional)	1,920	4,169	12,173	6,455	24,717	689	546	1,251	872	3,359	2,610	4,715	13,424	7,327	28,076
Other	2	1	19	3	25	0	0	0	0	0	2	1	19	3	25
TOTAL	2,434	4,774	15,769	8,505	31,483	785	656	2,008	1,257	4,706	3,219	5,429	17,778	9,762	36,188
TYPE OF CABINET BOX															
Number of Cabinets															
Solid wood	1,223	3,205	8,995	5,537	18,960	690	436	731	649	2,506	1,913	3,642	9,726	6,186	21,466
Wood veneer on particleboard/MDF	589	570	3,368	744	5,272	8	14	368	301	691	598	584	3,736	1,045	5,963
Plastic/Paper overlay/laminate on particleboard	131	426	1,642	1,416	3,615	14	204	696	50	964	145	630	2,337	1,466	4,579
Plywood	487	569	1,757	801	3,614	72	2	214	257	545	559	571	1,971	1,058	4,159
Other	3	3	8	8	22	0	0	0	0	0	3	3	8	8	22
TOTAL	2,434	4,774	15,769	8,505	31,483	785	656	2,008	1,257	4,706	3,219	5,429	17,778	9,762	36,188
COUNTERTOPS															
Plywood, SF 3/8" Basis	1,693	4,089	9,295	14,261	29,337	429	616	1,704	2,191	4,939	2,122	4,705	10,999	16,451	34,277
Particleboard / MDF, SF 3/8" Basis	3,458	8,338	18,184	4,385	34,364	904	1,281	3,305	1,162	6,651	4,362	9,618	21,489	5,547	41,016
Lumber - Hardwood, BF	0	0	0	9	9	30	0	0	0	30	30	0	0	9	40

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
FINISHED WOOD FLOORING															
Lumber - Hardwood, BF	149,017	125,738	493,630	162,362	930,748	34,188	12,202	17,834	15,591	79,815	183,205	137,940	511,464	177,954	1,010,563
Lumber - Softwood, BF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FINISH FLOORING															
SF of Flooring															
Wall to wall carpet	145,245	302,561	1,010,806	537,281	1,995,893	32,192	32,016	107,179	60,745	232,133	177,438	334,577	1,117,986	598,026	2,228,026
Hardwood (solid)	78,624	61,418	239,154	80,352	459,548	19,135	5,880	3,408	5,990	34,413	97,759	67,298	242,563	86,342	493,961
Hardwood (engineered)	5,725	9,755	40,259	11,551	67,290	217	1,027	6,686	2,836	10,765	5,942	10,782	46,945	14,387	78,055
Vinyl sheet	23,678	52,767	103,996	58,125	238,565	5,415	7,828	7,910	15,500	36,653	29,093	60,594	111,906	73,625	275,218
Vinyl tile	3,059	5,586	11,245	1,081	20,970	1,494	793	3,240	57	5,584	4,553	6,379	14,484	1,138	26,554
Laminate	1,956	4,672	5,388	8,262	20,278	329	453	3,151	0	3,933	2,286	5,124	8,539	8,262	24,211
Ceramic tile	37,503	47,318	356,233	139,969	581,022	9,028	2,463	65,264	14,502	91,256	46,531	49,780	421,497	154,471	672,279
Slate	204	463	324	4,397	5,389	0	10	0	364	373	204	473	324	4,761	5,762
Marble	1,094	1,104	17,871	6,839	26,907	973	7	1,239	43	2,263	2,067	1,111	19,110	6,882	29,170
Other	3,073	91	13,394	7,536	24,093	0	0	0	1,188	1,188	3,073	91	13,394	8,724	25,282
TOTAL	300,161	485,732	1,798,669	855,393	3,439,955	68,784	50,476	198,077	101,225	418,563	368,945	536,209	1,996,746	956,618	3,858,518
INTERIOR WALL AND CEILING FINISHES															
Lumber, BF	19,820	39,144	39,882	18,675	117,520	0	2,339	103	346	2,788	19,820	41,482	39,985	19,021	120,308
Hardboard, SF 3/8" Basis	1,532	51	344	190	2,118	412	0	0	0	412	1,944	51	344	190	2,530
Plywood-Hardwood, SF 3/8" Basis	0	1,469	11,761	7,638	20,867	0	30	0	0	30	0	1,499	11,761	7,638	20,898
STAIRS AND RAILINGS															
Lumber - Softwood, BF	19,318	28,119	37,568	16,982	102,151	1,055	518	677	2,189	4,332	20,373	28,636	38,245	19,172	106,483
Lumber - Hardwood, BF	9,942	11,423	32,823	8,689	63,023	751	137	1,659	439	3,039	10,694	11,560	34,482	9,129	66,062
Plywood, SF 3/8" Basis	982	866	6,852	5,663	14,384	604	8	512	157	1,311	1,586	874	7,365	5,820	15,695
OSB, SF 3/8" Basis	312	1,665	2,799	5,091	9,867	87	59	20	384	549	398	1,724	2,819	5,475	10,416
Particleboard / MDF, SF 3/8" Basis	332	4,248	2,054	5,610	12,244	22	54	21	422	519	354	4,302	2,075	6,032	12,763
MANTELS															
Lumber - Softwood, BF	191	337	734	300	1,562	29	22	55	6	113	221	358	790	306	1,675
Lumber - Hardwood, BF	1,007	1,769	6,937	1,499	11,212	94	70	171	339	674	1,101	1,839	7,108	1,838	11,886

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
<i>All Data in Thousands</i>															
WOOD USAGE IN OUTDOOR STRUCTURES															
DECKS															
Lumber - Regular, BF															
Boards	3,189	6,668	4,299	8,848	23,005	0	0	0	0	0	3,189	6,668	4,299	8,848	23,005
Lumber - Treated, BF															
2x4s	24,578	30,523	92,912	15,311	163,324	0	0	0	0	0	24,578	30,523	92,912	15,311	163,324
2x6s	12,132	15,067	38,424	21,960	87,583	0	0	0	0	0	12,132	15,067	38,424	21,960	87,583
2x8s	14,829	18,415	46,962	26,840	107,046	0	0	0	0	0	14,829	18,415	46,962	26,840	107,046
2x10s	20,221	25,112	64,040	36,601	145,972	0	0	0	0	0	20,221	25,112	64,040	36,601	145,972
2x12s	6,740	8,371	21,347	12,200	48,657	0	0	0	0	0	6,740	8,371	21,347	12,200	48,657
Boards	9,954	13,641	55,293	14,656	93,545	0	0	0	0	0	9,954	13,641	55,293	14,656	93,545
Support Posts	3,506	4,321	10,360	5,495	23,681	0	0	0	0	0	3,506	4,321	10,360	5,495	23,681
Subtotal - Lumber, BF	3,189	6,668	4,299	8,848	23,005	0	0	0	0	0	3,189	6,668	4,299	8,848	23,005
Subtotal - Treated Lumber, BF	91,959	115,449	329,338	133,063	669,809	0	0	0	0	0	91,959	115,449	329,338	133,063	669,809
Total, BF	95,149	122,117	333,637	141,911	692,814	0	0	0	0	0	95,149	122,117	333,637	141,911	692,814
Deck Surfaces															
Lumber - Regular, BF	3,189	6,668	4,299	8,848	23,005	0	0	0	0	0	3,189	6,668	4,299	8,848	23,005
Lumber - Treated, BF	9,954	13,641	55,293	14,656	93,545	0	0	0	0	0	9,954	13,641	55,293	14,656	93,545
PVC / Vinyl / Fiberglass, BF	1,243	655	1,131	1,024	4,052	0	0	0	0	0	1,243	655	1,131	1,024	4,052
Wood / Plastic composite, BF	7,728	6,498	9,309	15,498	39,032	0	0	0	0	0	7,728	6,498	9,309	15,498	39,032
Total Deck Surface Material, BF	22,113	27,462	70,033	40,026	159,633	0	0	0	0	0	22,113	27,462	70,033	40,026	159,633
PORCHES															
Lumber - Regular, BF															
2x4s (Porch Roofs & Breezeways)	13,446	22,242	111,674	41,794	189,156	0	0	0	0	0	13,446	22,242	111,674	41,794	189,156
2x8s (Porch Floors & Breezeways)	13,806	22,307	103,239	33,127	172,478	0	0	0	0	0	13,806	22,307	103,239	33,127	172,478
Posts	6,308	10,413	50,347	23,138	90,205	0	0	0	0	0	6,308	10,413	50,347	23,138	90,205
Boards	4,488	6,281	23,742	9,722	44,233	0	0	0	0	0	4,488	6,281	23,742	9,722	44,233
Lumber - Treated, BF															
Boards	2,065	4,079	19,657	3,473	29,274	0	0	0	0	0	2,065	4,079	19,657	3,473	29,274
Subtotal - Lumber, BF	38,048	61,242	289,001	107,780	496,072	0	0	0	0	0	38,048	61,242	289,001	107,780	496,072
Subtotal - Treated Lumber, BF	2,065	4,079	19,657	3,473	29,274	0	0	0	0	0	2,065	4,079	19,657	3,473	29,274
Total, BF	40,113	65,321	308,658	111,254	525,346	0	0	0	0	0	40,113	65,321	308,658	111,254	525,346
Porch Surfaces															
Lumber - Regular, BF	4,488	6,281	23,742	9,722	44,233	0	0	0	0	0	4,488	6,281	23,742	9,722	44,233
Lumber - Treated, BF	2,065	4,079	19,657	3,473	29,274	0	0	0	0	0	2,065	4,079	19,657	3,473	29,274
Plastic and Composites, BF	3,968	3,619	13,055	6,638	27,281	0	0	0	0	0	3,968	3,619	13,055	6,638	27,281
Concrete / Brick / Stone / Tiles, BF	6,024	14,156	109,129	41,215	170,524	0	0	0	0	0	6,024	14,156	109,129	41,215	170,524
Total Porch Surface Material, BF	16,545	28,135	165,584	61,048	271,312	0	0	0	0	0	16,545	28,135	165,584	61,048	271,312
FENCES AND LANDSCAPE WALLS															
Lumber - Treated, BF	8,748	5,942	225,482	126,226	366,398	182	48	450	1,302	1,981	8,930	5,989	225,932	127,527	368,379
FENCING TYPE / MATERIAL															
Wood -- vert boards on alt sides, BF	2,951	3,538	70,466	78,403	155,358	63	27	28	482	600	3,014	3,565	70,494	78,885	155,958
Wood -- vert boards on one side, BF	4,422	1,414	136,104	20,888	162,828	113	6	344	483	947	4,535	1,421	136,448	21,371	163,774
Wood w/ horiz rails / boards, BF	641	146	3,434	17,972	22,193	6	0	0	69	75	647	146	3,434	18,041	22,268
Metal, BF equivalent	0	886	15,285	13,766	29,937	1,075	43	0	905	2,023	1,075	929	15,285	14,671	31,960
WPC, Vinyl, PVC, or other plast, BF equivalent	1,712	1,668	3,497	22,938	29,815	93	2	37	202	333	1,805	1,670	3,534	23,139	30,148
Stucco on wood frame, BF equivalent	0	1	1	871	874	0	0	0	18	18	0	1	1	889	892
Stone (natural or synthetic), BF equivalent	132	770	1,255	704	2,861	13	0	0	360	373	145	770	1,255	1,064	3,234
Brick, BF equivalent	76	42	4,698	1,106	5,921	4	0	6	2	12	80	42	4,704	1,107	5,933
Concrete (all types), BF equivalent	243	385	5,522	149,248	155,398	5	0	517	80	602	248	385	6,039	149,328	156,000
LANDSCAPE-RETAINING WALL TYPE / MATERIAL															
Wood timbers, BF	732	841	15,455	8,831	25,859	0	14	78	267	359	732	855	15,533	9,098	26,218
Stucco on wood frame, BF	2	3	23	133	161	0	0	0	0	0	2	3	23	133	161
Stone (natural or synthetic), BF equivalent	8,107	7,123	21,505	30,729	67,464	0	36	6,258	934	7,228	8,107	7,159	27,763	31,663	74,692
Brick, BF equivalent	169	425	4,211	1,046	5,851	0	1	7	74	82	169	426	4,218	1,120	5,933
Concrete (all types), BF equivalent	8,380	7,941	51,799	43,425	111,546	0	1,186	2,526	11,875	15,587	8,380	9,127	54,325	55,300	127,133

[illegible]

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
STRUCTURAL SYSTEMS: FLOORS															
STRUCTURAL FLOOR MATERIAL - ALL FLOORS															
Square Feet of Floor															
Cast-in-place concrete	6.15%	5.07%	51.63%	42.59%	39.38%	21.34%	20.03%	29.14%	24.36%	25.66%	9.02%	6.24%	49.60%	40.59%	37.97%
Precast concrete	0.00%	0.14%	1.79%	0.24%	1.04%	0.00%	3.58%	9.33%	3.41%	5.64%	0.00%	0.41%	2.47%	0.59%	1.51%
Steel (all types)	0.46%	1.04%	0.33%	0.69%	0.52%	0.30%	1.94%	0.47%	0.34%	0.56%	0.43%	1.11%	0.34%	0.65%	0.53%
Lumber joists	43.86%	39.06%	15.38%	13.29%	20.42%	52.19%	35.16%	9.99%	29.20%	24.62%	45.43%	38.75%	14.89%	15.04%	20.85%
Wood I-joists	45.09%	36.76%	17.55%	38.25%	27.44%	19.66%	19.65%	21.01%	28.75%	22.68%	40.28%	35.41%	17.86%	37.21%	26.96%
Open web wood truss	4.27%	17.29%	12.84%	4.78%	10.79%	6.51%	19.12%	29.17%	13.86%	20.36%	4.69%	17.43%	14.32%	5.77%	11.77%
Structural insulated panels	0.01%	0.01%	0.08%	0.03%	0.05%	0.00%	0.01%	0.08%	0.02%	0.05%	0.01%	0.01%	0.08%	0.03%	0.05%
Other wood	0.16%	0.64%	0.40%	0.14%	0.35%	0.01%	0.51%	0.80%	0.04%	0.44%	0.13%	0.63%	0.43%	0.13%	0.36%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
STRUCTURAL FLOOR MATERIAL - GROUND FLOOR															
Square Feet of Floor															
Cast-in-place concrete	9.85%	6.65%	68.06%	54.89%	52.46%	41.84%	36.72%	55.19%	55.50%	51.06%	14.63%	8.41%	67.24%	54.93%	52.36%
Precast concrete	0.00%	0.19%	1.18%	0.26%	0.73%	0.00%	6.57%	0.00%	7.77%	2.56%	0.00%	0.56%	1.10%	0.75%	0.86%
Steel (all types)	0.47%	1.12%	0.37%	0.25%	0.45%	0.51%	0.00%	0.00%	0.00%	0.08%	0.47%	1.05%	0.35%	0.24%	0.42%
Lumber joists	43.54%	36.11%	11.94%	11.34%	17.22%	37.40%	33.56%	11.24%	4.98%	16.46%	42.63%	35.96%	11.90%	10.92%	17.16%
Wood I-joists	43.38%	38.07%	12.25%	31.26%	22.65%	18.79%	15.22%	29.95%	31.31%	26.83%	39.71%	36.73%	13.38%	31.26%	22.94%
Open web wood truss	2.67%	17.21%	5.63%	1.86%	6.05%	1.43%	7.87%	1.94%	0.34%	2.16%	2.48%	16.66%	5.40%	1.77%	5.78%
Structural insulated panels	0.01%	0.01%	0.11%	0.00%	0.06%	0.01%	0.02%	0.16%	0.03%	0.09%	0.01%	0.01%	0.11%	0.00%	0.06%
Other wood	0.08%	0.64%	0.46%	0.13%	0.37%	0.01%	0.05%	1.52%	0.07%	0.77%	0.07%	0.61%	0.52%	0.13%	0.40%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
STRUCTURAL FLOOR MATERIAL - UPPER FLOORS															
Square Feet of Floor															
Cast-in-place concrete	0.00%	0.48%	0.62%	0.14%	0.42%	3.19%	0.07%	1.18%	0.00%	1.09%	0.79%	0.43%	0.71%	0.11%	0.55%
Precast concrete	0.00%	0.00%	3.69%	0.18%	1.97%	0.00%	0.00%	19.34%	0.00%	8.62%	0.00%	0.00%	6.26%	0.14%	3.21%
Steel (all types)	0.46%	0.82%	0.18%	2.19%	0.74%	0.10%	4.26%	0.97%	0.61%	1.01%	0.37%	1.27%	0.31%	1.82%	0.79%
Lumber joists	44.38%	47.62%	26.04%	20.02%	29.97%	65.27%	37.07%	8.66%	48.16%	32.52%	49.56%	46.23%	23.18%	26.64%	30.45%
Wood I-joists	47.93%	32.95%	34.00%	62.37%	41.71%	20.43%	24.95%	11.43%	26.76%	18.66%	41.11%	31.90%	30.29%	53.99%	37.39%
Open web wood truss	6.92%	17.50%	35.24%	14.82%	24.89%	11.01%	32.58%	58.40%	24.44%	37.97%	7.93%	19.49%	39.05%	17.09%	27.35%
Structural insulated panels	0.01%	0.00%	0.01%	0.11%	0.03%	0.00%	0.00%	0.01%	0.01%	0.01%	0.01%	0.00%	0.01%	0.09%	0.03%
Other wood	0.29%	0.63%	0.22%	0.16%	0.27%	0.00%	1.07%	0.02%	0.03%	0.11%	0.22%	0.69%	0.18%	0.13%	0.24%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
SPECIES OF LUMBER JOISTS															
Square Feet of 1st & 2nd Story Area															
Southern yellow pine (SYP)	9.56%	41.98%	73.94%	9.68%	44.18%	4.57%	74.06%	63.65%	7.03%	26.70%	8.48%	44.27%	73.32%	9.12%	42.06%
Douglas fir or hem fir	38.30%	40.83%	5.77%	79.75%	32.31%	64.84%	14.56%	7.17%	86.96%	53.41%	44.07%	38.95%	5.86%	81.28%	34.86%
Spruce / Pine / Fir (SPF) or eastern spruce	50.93%	17.11%	10.51%	10.51%	23.27%	30.59%	11.38%	28.85%	6.00%	19.82%	46.51%	16.70%	20.79%	9.55%	22.85%
Other	1.20%	0.09%	0.01%	0.06%	0.25%	0.00%	0.00%	0.32%	0.01%	0.07%	0.94%	0.08%	0.03%	0.05%	0.23%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
STRUCTURAL SYSTEMS: WALLS															
EXTERIOR WALL MATERIAL - ALL FLOORS															
Linear Feet of Exterior Wall															
Wood	97.96%	97.80%	82.27%	96.16%	89.23%	96.60%	97.66%	80.36%	93.68%	88.54%	97.79%	97.80%	82.14%	95.93%	89.18%
Masonry	1.97%	1.87%	17.71%	3.34%	10.59%	2.67%	0.52%	19.64%	5.46%	10.91%	2.06%	1.80%	17.83%	3.54%	10.61%
Steel	0.07%	0.32%	0.03%	0.50%	0.19%	0.73%	1.82%	0.00%	0.85%	0.55%	0.15%	0.41%	0.02%	0.53%	0.21%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
SPECIES OF LIGHT FRAME EXTERIOR WALL															
Linear Feet Light Frame Exterior Wall															
Lamin. strand lumber (Timberstrand)	2.07%	0.12%	0.00%	0.22%	0.28%	0.67%	0.00%	0.00%	0.00%	0.11%	1.89%	0.11%	0.00%	0.20%	0.26%
Finger-jointed (any species)	1.31%	9.38%	8.49%	19.49%	10.78%	2.29%	3.07%	5.95%	4.57%	4.58%	1.43%	9.01%	8.33%	18.13%	10.30%
Southern yellow pine (SYP)	2.52%	11.46%	27.34%	1.51%	15.76%	16.63%	3.58%	23.34%	0.00%	12.70%	4.28%	11.00%	27.07%	1.38%	15.53%
Douglas fir, hem-fir	41.32%	13.98%	7.40%	60.00%	25.34%	53.77%	5.30%	15.85%	57.80%	33.90%	42.87%	13.47%	7.96%	59.80%	26.00%
Spruce / Pine / Fir (SPF) or eastern spruce	49.17%	53.15%	46.25%	6.70%	37.38%	24.64%	70.50%	36.21%	15.12%	31.73%	46.12%	54.17%	45.59%	7.47%	36.94%
Other	0.13%	0.05%	0.11%	0.05%	0.09%	0.00%	1.29%	1.11%	0.00%	0.60%	0.11%	0.13%	0.17%	0.04%	0.13%
Don't know	3.49%	11.85%	10.42%	12.02%	10.38%	1.99%	16.27%	17.55%	22.50%	16.38%	3.30%	12.11%	10.89%	12.98%	10.85%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
STRUCTURAL SYSTEMS: ROOF FRAMING															
ROOF FRAME MATERIAL															
Square Feet of Roof Footprint															
Lumber	97.93%	96.90%	96.84%	98.28%	97.29%	97.42%	97.55%	98.12%	97.68%	97.85%	97.86%	96.94%	96.92%	98.24%	97.33%
I-joists	1.60%	2.03%	1.83%	1.22%	1.69%	2.56%	0.31%	1.87%	2.01%	1.83%	1.72%	1.94%	1.83%	1.27%	1.69%
Steel	0.17%	0.67%	0.06%	0.41%	0.24%	0.01%	2.14%	0.01%	0.31%	0.32%	0.15%	0.74%	0.05%	0.40%	0.24%
Structural insulated panels	0.30%	0.40%	1.28%	0.09%	0.78%	0.00%	0.00%	0.00%	0.00%	0.00%	0.27%	0.38%	1.20%	0.09%	0.73%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
SPECIES OF ROOF TRUSSES															
Square Feet of Roof Footprint															
Southern yellow pine	42.05%	43.18%	67.53%	2.83%	36.24%	42.52%	60.14%	89.60%	0.05%	56.64%	42.09%	44.17%	70.14%	2.65%	37.97%
Douglas fir or hem-fir	21.70%	10.77%	3.69%	75.28%	33.89%	19.61%	7.73%	4.11%	63.83%	23.11%	21.54%	10.60%	3.74%	74.52%	32.98%
Spruce / Pine / Fir	24.53%	25.19%	13.21%	7.60%	14.05%	25.34%	12.69%	3.46%	34.27%	15.03%	24.59%	24.47%	12.06%	9.36%	14.14%
Other	4.92%	3.08%	3.54%	0.97%	2.55%	12.52%	18.84%	2.82%	1.85%	5.14%	5.51%	4.00%	3.45%	1.03%	2.77%
Don't know	6.80%	17.77%	12.03%	13.32%	13.26%	0.00%	0.61%	0.01%	0.00%	0.08%	6.27%	16.77%	10.61%	12.44%	12.14%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
SPECIES OF ROOF RAFTER															
Square Feet of Roof Footprint															
Southern yellow pine	5.25%	27.87%	63.23%	3.71%	52.61%	0.05%	63.81%	83.24%	0.93%	38.88%	4.32%	28.82%	63.61%	3.59%	52.13%
Douglas fir or hem-fir	51.01%	34.80%	10.66%	88.45%	20.35%	58.20%	14.59%	9.25%	94.76%	38.02%	52.30%	34.27%	10.64%	88.73%	20.97%
Spruce / Pine / Fir	42.61%	35.89%	24.90%	3.84%	25.64%	40.04%	19.26%	6.47%	4.27%	21.77%	42.15%	35.45%	24.55%	3.86%	25.50%
Other	0.18%	0.03%	0.02%	0.33%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.15%	0.03%	0.02%	0.32%	0.05%
Don't know	0.95%	1.42%	1.19%	3.66%	1.35%	1.71%	2.34%	1.05%	0.05%	1.33%	1.09%	1.44%	1.19%	3.50%	1.35%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
BEAMS															
FLOOR & ROOF BEAMS -- ALL FLOORS															
Linear Feet of Beam															
Built-up dimension lumber	34.69%	22.38%	53.28%	1.21%	38.94%	26.24%	30.95%	37.74%	26.36%	28.81%	31.85%	23.16%	52.58%	8.40%	37.57%
Solid wood beams	7.39%	3.25%	5.10%	29.48%	8.78%	7.48%	0.64%	7.76%	6.99%	6.71%	7.42%	3.01%	5.22%	23.05%	8.50%
Glulam	1.59%	3.88%	4.21%	14.25%	5.42%	16.21%	1.54%	2.34%	5.22%	8.05%	6.50%	3.67%	4.13%	11.67%	5.77%
LVL	34.56%	33.62%	21.31%	18.52%	24.05%	20.86%	53.18%	44.29%	32.78%	32.76%	29.96%	35.41%	22.35%	22.60%	25.23%
Timberstrand	2.48%	3.61%	2.60%	2.94%	2.78%	0.15%	0.10%	0.00%	4.64%	1.86%	1.70%	3.29%	2.48%	3.42%	2.66%
Parallam	7.14%	2.30%	0.81%	17.51%	4.23%	3.07%	0.21%	0.54%	7.20%	3.95%	5.77%	2.11%	0.80%	14.56%	4.19%
Steel	10.48%	18.56%	4.57%	13.32%	8.55%	5.33%	10.45%	1.64%	2.53%	4.05%	8.75%	17.82%	4.44%	10.23%	7.94%
Open web joist	0.05%	9.32%	3.25%	1.47%	3.53%	2.25%	2.45%	2.95%	2.29%	2.41%	0.79%	8.70%	3.24%	1.70%	3.38%
Girder truss	0.00%	0.00%	0.00%	0.00%	0.00%	0.20%	0.23%	1.43%	0.84%	0.67%	0.07%	0.03%	0.06%	0.24%	0.09%
I-joist	0.29%	2.91%	4.42%	0.00%	3.10%	17.88%	0.06%	0.70%	11.09%	10.46%	6.20%	2.65%	4.25%	3.17%	4.09%
Other	1.32%	0.15%	0.45%	1.30%	0.63%	0.33%	0.18%	0.62%	0.06%	0.26%	0.99%	0.15%	0.46%	0.95%	0.58%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
RIM BOARD FOR WOODEN I-JOISTS															
Linear Feet of Exterior Wall															
Timberstrand	63.54%	50.01%	52.50%	58.89%	55.90%	22.93%	65.94%	19.66%	85.51%	56.40%	61.91%	50.37%	51.94%	59.83%	55.91%
Plywood	1.23%	0.80%	1.25%	0.30%	0.84%	9.54%	9.28%	13.23%	0.00%	5.97%	1.56%	0.99%	1.46%	0.29%	0.98%
OSB	13.11%	28.73%	24.12%	16.60%	20.71%	53.45%	3.78%	20.28%	2.01%	16.82%	14.73%	28.18%	24.05%	16.08%	20.60%
Dimension lumber	9.08%	3.63%	6.68%	6.99%	6.59%	12.46%	4.70%	27.79%	1.04%	9.27%	9.22%	3.66%	7.04%	6.78%	6.67%
LVL	3.70%	8.39%	5.85%	8.48%	6.91%	1.62%	14.63%	7.17%	8.83%	7.80%	3.61%	8.53%	5.87%	8.49%	6.93%
Wooden I-joist with blocking	9.32%	7.80%	9.61%	8.57%	8.88%	0.00%	1.67%	11.87%	2.61%	3.74%	8.95%	7.66%	9.64%	8.36%	8.73%
Re-sawn glulam	0.02%	0.64%	0.00%	0.17%	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.62%	0.00%	0.17%	0.17%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
HEADERS															
WINDOW, DOOR AND GARAGE DOOR HEADERS															
Linear Feet of Headers															
Built-up dimension lumber	62.51%	50.34%	53.53%	18.15%	44.41%	64.94%	52.02%	44.94%	31.88%	44.92%	62.86%	50.44%	52.90%	19.38%	44.45%
Solid wood beams	4.00%	4.89%	6.21%	32.60%	12.83%	8.36%	0.80%	2.80%	27.49%	10.67%	4.63%	4.65%	5.97%	32.15%	12.66%
Glulam	4.24%	5.74%	3.69%	13.56%	6.65%	7.00%	10.22%	4.20%	11.06%	7.26%	4.64%	6.01%	3.73%	13.33%	6.70%
Wood I-joists -- single	0.25%	0.47%	0.30%	0.22%	0.30%	0.18%	0.00%	0.68%	0.00%	0.33%	0.24%	0.44%	0.33%	0.20%	0.30%
Wood I-joists -- doubled	0.24%	0.97%	0.16%	0.22%	0.30%	0.00%	0.80%	0.03%	0.00%	0.10%	0.20%	0.96%	0.15%	0.20%	0.28%
LVL -- single	3.52%	4.71%	2.15%	3.75%	3.06%	3.00%	20.89%	0.28%	5.75%	4.45%	3.45%	5.68%	2.01%	3.93%	3.17%
LVL -- doubled	11.30%	22.41%	11.11%	11.13%	12.77%	4.85%	10.82%	11.32%	11.91%	10.45%	10.37%	21.71%	11.13%	11.20%	12.58%
Parallam	6.80%	3.85%	3.49%	3.68%	3.86%	6.22%	2.36%	23.98%	2.66%	12.76%	6.71%	3.76%	4.97%	3.58%	4.58%
Concrete	0.19%	0.19%	8.21%	1.73%	4.69%	0.00%	1.24%	6.05%	7.66%	5.09%	0.16%	0.25%	8.05%	2.26%	4.72%
Steel	0.80%	1.19%	1.40%	0.49%	1.08%	1.74%	0.48%	0.02%	0.10%	0.35%	0.93%	1.14%	1.30%	0.46%	1.02%
Timberstrand	2.04%	2.11%	1.62%	10.09%	3.97%	0.69%	0.38%	0.40%	1.48%	0.76%	1.85%	2.01%	1.53%	9.32%	3.71%
Glued & nailed box	3.45%	1.27%	6.95%	4.16%	5.11%	3.02%	0.00%	0.44%	0.00%	0.66%	3.39%	1.20%	6.47%	3.79%	4.74%
Wood truss	0.45%	1.79%	1.06%	0.10%	0.86%	0.00%	0.00%	4.87%	0.00%	2.19%	0.38%	1.68%	1.33%	0.09%	0.97%
Fitch plate beams	0.22%	0.07%	0.12%	0.12%	0.12%	0.00%	0.00%	0.00%	0.00%	0.00%	0.19%	0.07%	0.11%	0.11%	0.11%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
SHEATHING: FLOOR															
FLOOR SHEATHING - ALL FLOORS - WASTE INCLUDED															
Square Feet of All Floors															
None - slab or SIPs	5.74%	4.89%	51.58%	41.22%	38.76%	20.47%	22.45%	41.64%	28.48%	32.25%	8.50%	6.26%	50.77%	39.90%	38.13%
Plywood	39.19%	22.41%	11.60%	16.91%	16.68%	37.66%	35.16%	18.56%	37.72%	28.87%	38.90%	23.40%	12.16%	19.06%	17.85%
OSB	54.80%	70.71%	36.21%	39.19%	43.28%	41.86%	39.56%	39.01%	33.73%	38.20%	52.37%	68.29%	36.44%	38.62%	42.79%
1x boards	0.22%	0.22%	0.32%	1.99%	0.70%	0.00%	0.00%	0.00%	0.00%	0.00%	0.18%	0.21%	0.29%	1.78%	0.63%
2x boards	0.04%	0.56%	0.12%	0.42%	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.03%	0.52%	0.11%	0.38%	0.22%
Other	0.01%	1.20%	0.18%	0.28%	0.33%	0.01%	2.84%	0.79%	0.07%	0.69%	0.01%	1.33%	0.23%	0.26%	0.37%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
SHEATHING: WALL															
WALL SHEATHING - WASTE INCLUDED															
Square Feet of Exterior Wall															
None (SIPs or other)	3.19%	3.13%	15.74%	4.26%	9.94%	2.87%	0.59%	17.22%	5.89%	9.70%	3.16%	3.02%	15.81%	4.37%	9.93%
Plywood	26.36%	8.40%	7.87%	9.98%	10.13%	20.22%	15.02%	1.37%	17.82%	10.71%	25.83%	8.69%	7.57%	10.48%	10.16%
OSB	64.02%	63.53%	56.62%	63.47%	59.98%	64.87%	48.33%	68.06%	71.36%	66.14%	64.10%	62.86%	57.14%	63.98%	60.31%
XPS	2.31%	6.56%	5.03%	5.95%	5.24%	0.00%	3.60%	2.06%	3.65%	2.40%	2.11%	6.43%	4.90%	5.80%	5.09%
EPS	0.04%	0.07%	0.03%	5.95%	1.48%	0.00%	0.00%	0.01%	0.75%	0.22%	0.04%	0.07%	0.03%	5.62%	1.41%
ISO	3.00%	8.80%	4.85%	1.42%	4.44%	2.72%	1.89%	0.36%	0.07%	0.82%	2.98%	8.49%	4.65%	1.33%	4.25%
1/2 inch fiberboard	0.66%	4.20%	4.08%	0.62%	2.95%	0.00%	2.13%	0.53%	0.06%	0.51%	0.60%	4.11%	3.92%	0.58%	2.82%
Cementitious board	0.02%	0.08%	0.12%	0.28%	0.14%	0.11%	0.15%	0.00%	0.00%	0.04%	0.03%	0.08%	0.11%	0.26%	0.14%
Fiber cement	0.02%	0.29%	0.68%	1.31%	0.71%	0.06%	2.49%	0.04%	0.24%	0.40%	0.03%	0.39%	0.65%	1.24%	0.70%
Gypsum	0.00%	1.36%	1.27%	2.32%	1.42%	7.71%	12.16%	10.12%	0.12%	7.07%	0.66%	1.84%	1.66%	2.18%	1.72%
1/8 inch foil faced (Thermoply, EnergyBrace)	0.02%	0.71%	3.58%	0.07%	1.98%	0.00%	13.31%	0.15%	0.05%	1.70%	0.01%	1.26%	3.42%	0.07%	1.96%
1 inch boards	0.08%	0.52%	0.05%	0.00%	0.11%	0.06%	0.00%	0.00%	0.00%	0.01%	0.08%	0.50%	0.05%	0.00%	0.11%
Other	0.28%	2.35%	0.08%	4.37%	1.48%	1.38%	0.33%	0.07%	0.00%	0.28%	0.38%	2.26%	0.08%	4.09%	1.42%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
SHEATHING: ROOF															
ROOF SHEATHING - WASTE INCLUDED															
Square Feet of Sheathing															
None (SIPs or other)	0.02%	0.11%	0.51%	0.10%	0.32%	0.00%	0.37%	0.00%	0.00%	0.04%	0.02%	0.12%	0.48%	0.10%	0.31%
Plywood	53.94%	19.14%	16.35%	22.75%	20.81%	57.03%	40.08%	12.36%	47.74%	30.08%	54.29%	20.11%	16.13%	24.22%	21.36%
OSB	45.73%	77.96%	81.20%	76.91%	77.31%	38.41%	59.24%	87.36%	52.26%	69.05%	44.89%	77.09%	81.53%	75.45%	76.83%
1 inch boards (3/4 inch actual), no spacing	0.19%	1.31%	0.63%	0.08%	0.57%	3.79%	0.00%	0.28%	0.00%	0.68%	0.60%	1.24%	0.62%	0.08%	0.57%
1 inch boards (3/4 inch actual), spaced	0.05%	0.02%	0.04%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%	0.02%	0.04%	0.00%	0.03%
2 inch boards (1 1/2 inch actual -- including	0.03%	0.80%	0.01%	0.05%	0.13%	0.00%	0.12%	0.00%	0.00%	0.01%	0.03%	0.77%	0.01%	0.04%	0.12%
Other	0.04%	0.67%	1.26%	0.11%	0.83%	0.77%	0.19%	0.00%	0.00%	0.13%	0.12%	0.65%	1.20%	0.11%	0.78%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
UNDERLAYMENT															
UNDERLAYMENT MATERIAL															
Square Feet of Floor Area															
Lauan plywood	26.74%	35.50%	26.32%	6.43%	22.89%	26.16%	41.69%	6.59%	8.86%	15.01%	26.62%	36.37%	22.31%	6.75%	21.52%
OSB	11.03%	8.74%	7.97%	13.57%	9.95%	27.40%	0.76%	25.33%	44.79%	25.70%	14.38%	7.61%	11.50%	17.68%	12.69%
Plywood	35.47%	15.71%	17.00%	8.25%	16.68%	31.94%	14.47%	7.37%	7.83%	12.09%	34.75%	15.54%	15.04%	8.19%	15.88%
Particleboard	0.35%	4.96%	1.86%	22.35%	7.63%	0.00%	0.65%	0.02%	7.56%	1.53%	0.28%	4.35%	1.49%	20.41%	6.57%
1/4 inch hardboard	0.84%	5.29%	1.59%	1.91%	2.28%	0.76%	0.19%	0.01%	6.12%	1.29%	0.82%	4.58%	1.27%	2.46%	2.11%
Cementitious board	25.24%	23.96%	27.60%	40.08%	29.90%	2.80%	3.64%	1.59%	7.89%	3.25%	20.65%	21.11%	22.31%	35.85%	25.25%
Gypsum Panel	0.33%	1.13%	1.03%	2.24%	1.28%	0.00%	0.04%	0.00%	0.00%	0.01%	0.26%	0.98%	0.82%	1.94%	1.06%
Poured lightweight concrete	0.00%	4.15%	1.78%	3.55%	2.47%	5.85%	36.96%	39.83%	14.20%	29.63%	1.20%	8.76%	9.52%	4.95%	7.21%
Other	0.00%	0.55%	14.85%	1.62%	6.91%	5.08%	1.59%	19.26%	2.74%	11.50%	1.04%	0.70%	15.75%	1.77%	7.71%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

[illegible]

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
EXTERIOR DOORS															
EXTERIOR DOOR MATERIAL															
Number of Doors															
Solid wood -- raised panel	7.66%	3.52%	11.27%	21.43%	12.32%	12.36%	12.00%	7.76%	12.99%	10.46%	8.52%	4.23%	11.04%	20.66%	12.16%
Wood -- flush	2.20%	0.63%	1.67%	6.59%	2.71%	4.25%	4.00%	0.00%	3.15%	2.08%	2.57%	0.92%	1.56%	6.28%	2.66%
Steel -- raised panel	50.41%	65.96%	39.16%	29.59%	41.37%	32.22%	74.54%	66.92%	69.32%	62.53%	47.09%	66.68%	41.01%	33.19%	43.14%
Steel -- flush	3.84%	12.08%	5.26%	9.76%	7.12%	1.97%	3.18%	0.90%	0.00%	1.17%	3.50%	11.33%	4.97%	8.88%	6.62%
Fiberglass	35.90%	17.81%	42.63%	32.64%	36.49%	49.19%	6.28%	24.42%	14.55%	23.77%	38.32%	16.84%	41.42%	31.00%	35.42%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
PATIO DOORS															
PATIO DOOR MATERIAL															
Number of Doors															
Wood	1.29%	1.08%	8.83%	5.80%	6.22%	0.00%	8.07%	0.54%	12.82%	4.60%	1.15%	1.71%	7.43%	6.85%	5.98%
Aluminum clad wood	16.73%	26.85%	8.68%	10.36%	12.48%	12.47%	17.76%	0.33%	1.47%	2.82%	16.27%	26.03%	7.27%	9.04%	11.06%
Vinyl clad wood	32.04%	19.19%	6.92%	3.93%	10.00%	10.63%	0.46%	1.85%	9.25%	4.33%	29.76%	17.50%	6.07%	4.73%	9.16%
Steel	4.32%	7.47%	22.09%	1.91%	12.83%	0.00%	1.39%	56.09%	0.00%	32.41%	3.85%	6.92%	27.83%	1.62%	15.72%
Aluminum	5.65%	3.61%	21.58%	14.85%	15.73%	0.00%	18.83%	30.60%	19.19%	24.61%	5.05%	4.98%	23.10%	15.50%	17.04%
Vinyl	38.08%	38.87%	10.94%	52.74%	28.97%	76.91%	53.50%	9.63%	57.26%	30.67%	42.23%	40.19%	10.72%	53.41%	29.22%
Composite/Fiberglass	1.66%	2.94%	19.63%	10.40%	13.10%	0.00%	0.00%	0.96%	0.00%	0.55%	1.48%	2.68%	16.48%	8.85%	11.25%
Other	0.23%	0.00%	1.33%	0.00%	0.67%	0.00%	0.00%	0.00%	0.00%	0.00%	0.20%	0.00%	1.10%	0.00%	0.57%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
INTERIOR DOORS															
INTERIOR DOOR MATERIAL															
Number of Doors															
Solid wood panel	15.27%	27.78%	7.13%	13.55%	12.42%	12.37%	28.61%	2.57%	27.03%	13.85%	14.59%	27.86%	6.59%	15.57%	12.61%
Solid wood with louvers	0.57%	0.58%	0.57%	0.95%	0.66%	0.18%	0.51%	0.04%	2.55%	0.83%	0.48%	0.58%	0.51%	1.19%	0.69%
Solid wood with glass unit(s)	0.39%	0.40%	0.31%	0.27%	0.32%	1.64%	0.24%	0.16%	0.02%	0.37%	0.69%	0.39%	0.29%	0.23%	0.33%
Hardboard panel	70.74%	51.32%	80.37%	66.57%	71.89%	65.77%	54.19%	82.74%	47.74%	67.05%	69.56%	51.61%	80.65%	63.74%	71.24%
Hardboard flush, hollow core	6.33%	10.01%	5.93%	3.64%	5.99%	1.19%	5.73%	0.65%	1.25%	1.44%	5.11%	9.58%	5.31%	3.28%	5.38%
Particleboard / MDF, solid core	3.87%	2.24%	2.36%	12.47%	4.98%	10.83%	0.81%	0.52%	17.68%	7.09%	5.51%	2.09%	2.14%	13.25%	5.26%
Plywood flush, hollow core	0.81%	6.03%	0.56%	1.40%	1.59%	4.20%	3.67%	0.11%	0.56%	1.27%	1.61%	5.79%	0.51%	1.27%	1.55%
Mirror on steel frame	0.48%	0.41%	0.53%	0.93%	0.61%	0.10%	0.23%	0.04%	3.11%	0.94%	0.39%	0.39%	0.47%	1.25%	0.65%
Steel (no mirror)	0.01%	0.55%	0.01%	0.02%	0.09%	0.09%	5.86%	0.01%	0.00%	0.64%	0.03%	1.08%	0.01%	0.01%	0.16%
Hardboard panel on steel frame	0.00%	0.00%	0.00%	0.01%	0.00%	0.79%	0.00%	0.00%	0.00%	0.13%	0.19%	0.00%	0.00%	0.01%	0.02%
Other	1.54%	0.67%	2.23%	0.20%	1.44%	2.84%	0.14%	13.15%	0.05%	6.39%	1.85%	0.62%	3.51%	0.18%	2.11%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
GARAGE DOORS															
GARAGE DOOR MATERIAL															
Number of Garage Doors															
Steel	77.27%	92.40%	92.69%	76.55%	87.30%	91.59%	99.90%	96.67%	68.38%	87.93%	78.69%	92.88%	93.01%	75.74%	87.35%
Wood	7.39%	3.55%	3.46%	12.86%	6.18%	0.74%	0.10%	0.66%	6.27%	2.31%	6.73%	3.33%	3.24%	12.20%	5.85%
Fiberglass or Plastic	14.81%	3.94%	3.37%	7.67%	5.48%	7.62%	0.00%	1.53%	25.35%	9.21%	14.10%	3.69%	3.22%	9.44%	5.80%
Other	0.52%	0.11%	0.48%	2.91%	1.04%	0.05%	0.00%	1.14%	0.00%	0.55%	0.48%	0.11%	0.54%	2.62%	1.00%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
INTERIOR FINISHES															
INTERIOR WALL FINISH															
Square Feet of Wall															
Plywood paneling -- 1/4	0.00%	0.10%	0.24%	0.45%	0.25%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.09%	0.21%	0.39%	0.22%
Hardboard paneling -- 1/4	0.23%	0.01%	0.01%	0.01%	0.03%	0.27%	0.00%	0.00%	0.00%	0.04%	0.24%	0.01%	0.01%	0.01%	0.03%
Gypsum drywall -- 3/8	1.77%	1.37%	2.83%	0.84%	2.05%	2.90%	0.00%	0.00%	0.27%	0.53%	2.01%	1.24%	2.51%	0.76%	1.87%
Gypsum drywall -- 1/2	87.17%	84.36%	86.98%	85.05%	86.17%	72.35%	52.67%	60.15%	53.15%	59.55%	84.03%	81.40%	84.00%	81.03%	82.93%
Cement board	0.71%	0.11%	1.52%	0.08%	0.91%	2.20%	0.00%	0.00%	0.00%	0.35%	1.03%	0.10%	1.35%	0.07%	0.84%
Gypsum drywall -- 5/8	7.16%	10.28%	6.58%	12.35%	8.54%	22.28%	46.32%	38.65%	32.95%	35.36%	10.37%	13.65%	10.15%	14.95%	11.81%
Gypsum drywall -- 3/4	0.33%	0.43%	0.45%	0.38%	0.42%	0.00%	0.10%	0.00%	0.00%	0.01%	0.26%	0.40%	0.40%	0.33%	0.37%
Lumber / Boards or shingles	1.32%	1.53%	0.42%	0.37%	0.63%	0.00%	0.85%	0.00%	0.08%	0.11%	1.04%	1.46%	0.37%	0.34%	0.57%
Other	1.31%	1.82%	0.97%	0.48%	0.99%	0.01%	0.04%	1.21%	13.56%	4.05%	1.03%	1.65%	0.99%	2.13%	1.36%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
INTERIOR CEILING FINISH															
Square Feet of Ceiling															
Plywood paneling -- 1/4	0.00%	0.13%	0.23%	0.00%	0.14%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.12%	0.21%	0.00%	0.13%
Hardboard paneling -- 1/4	0.12%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.10%	0.00%	0.00%	0.00%	0.01%
Gypsum drywall -- 3/8	1.19%	0.98%	1.28%	1.29%	1.24%	5.32%	1.78%	0.00%	0.19%	1.11%	1.96%	1.04%	1.17%	1.17%	1.22%
Gypsum drywall -- 1/2	83.17%	44.05%	73.82%	59.28%	67.04%	64.90%	22.78%	39.88%	36.54%	41.43%	79.75%	42.40%	70.78%	56.80%	64.44%
Cement board	0.01%	0.00%	0.24%	0.05%	0.14%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.22%	0.04%	0.13%
Gypsum drywall -- 5/8	12.23%	50.44%	23.14%	37.47%	29.41%	29.70%	74.20%	60.06%	62.62%	57.13%	15.51%	52.29%	26.46%	40.21%	32.23%
Gypsum drywall -- 3/4	0.12%	0.64%	0.55%	0.92%	0.62%	0.08%	0.35%	0.00%	0.00%	0.05%	0.11%	0.61%	0.50%	0.82%	0.56%
Lumber / Boards or shingles	1.59%	2.05%	0.57%	0.66%	0.87%	0.00%	0.84%	0.04%	0.00%	0.10%	1.29%	1.96%	0.52%	0.59%	0.79%
Acoustical ceiling tiles	0.12%	0.01%	0.02%	0.00%	0.02%	0.00%	0.00%	0.01%	0.00%	0.01%	0.10%	0.01%	0.02%	0.00%	0.02%
Other	1.45%	1.70%	0.15%	0.32%	0.50%	0.00%	0.05%	0.00%	0.66%	0.18%	1.18%	1.57%	0.13%	0.35%	0.47%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
FLOORING															
ALL FINISH FLOORING (Excludes Basements)															
Square Feet of Finished Floor Area															
Carpet	48.39%	62.29%	56.20%	62.81%	57.99%	46.80%	63.43%	54.11%	60.01%	55.35%	48.09%	62.38%	56.01%	62.52%	57.72%
Hardwood (solid)	26.19%	12.64%	13.30%	9.39%	13.33%	27.82%	11.65%	1.72%	5.92%	8.18%	26.50%	12.57%	12.25%	9.03%	12.80%
Ceramic tile	12.49%	9.74%	19.81%	16.36%	17.00%	13.13%	4.88%	32.95%	14.33%	21.99%	12.61%	9.36%	21.00%	16.15%	17.50%
Vinyl sheet	7.89%	10.86%	5.78%	6.80%	6.89%	7.87%	15.51%	3.99%	15.31%	8.72%	7.89%	11.23%	5.62%	7.69%	7.08%
Vinyl tile	1.02%	1.15%	0.63%	0.13%	0.61%	2.17%	1.57%	1.64%	0.06%	1.32%	1.23%	1.18%	0.72%	0.12%	0.68%
Hardwood (engineered)	1.91%	2.01%	2.24%	1.35%	1.96%	0.31%	2.03%	3.38%	2.80%	2.58%	1.61%	2.01%	2.34%	1.50%	2.03%
Laminate	0.65%	0.96%	0.30%	0.97%	0.58%	0.48%	0.90%	1.59%	0.00%	0.93%	0.62%	0.96%	0.42%	0.86%	0.62%
Slate	0.07%	0.10%	0.02%	0.51%	0.15%	0.00%	0.02%	0.00%	0.36%	0.09%	0.06%	0.09%	0.02%	0.50%	0.15%
Marble	0.36%	0.23%	0.99%	0.80%	0.79%	1.42%	0.01%	0.63%	0.04%	0.55%	0.56%	0.21%	0.96%	0.72%	0.77%
Other	1.02%	0.02%	0.74%	0.88%	0.70%	0.00%	0.00%	0.00%	1.17%	0.30%	0.83%	0.02%	0.68%	0.91%	0.66%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
CABINETS															
CABINET DOOR TYPE															
Number of Cabinets															
Wood finish, raised panel in frame	78.13%	68.66%	66.43%	63.54%	66.85%	64.17%	52.18%	32.19%	46.32%	44.00%	74.74%	66.97%	62.89%	61.32%	64.06%
Wood finish, flat panel in frame	15.87%	23.95%	18.47%	25.00%	20.81%	20.25%	15.07%	28.75%	31.69%	26.50%	16.94%	23.04%	19.53%	25.86%	21.50%
Glass panel in wood frame	3.62%	2.49%	2.24%	3.32%	2.66%	1.57%	2.27%	0.31%	0.59%	0.84%	3.12%	2.47%	2.04%	2.97%	2.44%
Laminate with raised panel look	0.73%	1.42%	10.33%	2.66%	6.29%	12.36%	5.19%	23.02%	1.75%	13.08%	3.56%	1.80%	11.64%	2.54%	7.12%
Wood finish, flat panel with no frame	1.41%	1.99%	1.16%	4.52%	2.19%	0.35%	0.31%	14.82%	16.16%	11.01%	1.16%	1.82%	2.58%	6.02%	3.27%
Laminate finish, flat panel with no frame	0.16%	1.48%	1.03%	0.88%	0.99%	1.22%	24.98%	0.91%	3.50%	4.56%	0.42%	3.88%	1.02%	1.22%	1.43%
Other	0.07%	0.01%	0.34%	0.08%	0.21%	0.08%	0.00%	0.00%	0.00%	0.01%	0.08%	0.01%	0.31%	0.07%	0.18%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
CABINET FRAME TYPE															
Number of Cabinets															
Frameless (European style)	21.02%	12.65%	22.69%	24.07%	21.47%	12.17%	16.70%	37.69%	30.60%	28.84%	18.80%	13.07%	24.26%	24.92%	22.38%
Face-framed (traditional)	78.89%	87.33%	77.19%	75.89%	78.45%	87.83%	83.30%	62.31%	69.40%	71.16%	81.13%	86.92%	75.64%	75.05%	77.55%
Other	0.09%	0.01%	0.12%	0.03%	0.08%	0.00%	0.00%	0.00%	0.00%	0.00%	0.07%	0.01%	0.11%	0.03%	0.07%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
CABINET BOX TYPE															
Number of Cabinets															
Wood veneer on particleboard / MDF	50.25%	67.15%	57.04%	65.10%	60.16%	87.93%	66.52%	36.39%	51.64%	53.06%	59.70%	67.08%	54.88%	63.34%	59.29%
Solid wood	24.21%	11.94%	21.36%	8.75%	16.85%	1.08%	2.11%	18.30%	23.93%	15.03%	18.41%	10.93%	21.04%	10.73%	16.62%
Plastic / Paper overlay / laminate on particle	5.38%	8.93%	10.41%	16.64%	11.49%	1.79%	31.11%	34.64%	4.00%	19.98%	4.48%	11.22%	12.95%	14.99%	12.54%
Plywood	20.02%	11.92%	11.14%	9.42%	11.43%	9.19%	0.26%	10.67%	20.43%	11.93%	17.30%	10.71%	11.09%	10.85%	11.49%
Other	0.14%	0.07%	0.05%	0.09%	0.07%	0.00%	0.00%	0.00%	0.00%	0.00%	0.10%	0.06%	0.05%	0.08%	0.06%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
COUNTERTOPS															
KITCHEN COUNTERTOP MATERIAL															
Linear Feet															
Solid Surface	15.27%	14.01%	12.21%	12.98%	12.89%	13.66%	18.09%	19.53%	24.07%	19.89%	14.93%	14.42%	13.05%	14.63%	13.80%
Laminate	45.08%	59.65%	40.26%	14.99%	37.07%	47.52%	65.49%	50.24%	20.21%	42.69%	45.60%	60.23%	41.41%	15.76%	37.80%
Ceramic Tile	0.39%	0.37%	0.49%	15.48%	4.22%	0.00%	0.15%	0.81%	18.01%	5.68%	0.31%	0.35%	0.52%	15.85%	4.41%
Cultured Marble	0.41%	0.39%	0.13%	0.23%	0.21%	0.00%	2.53%	1.97%	1.56%	1.64%	0.33%	0.60%	0.34%	0.43%	0.40%
Wood (butcher block)	0.09%	0.35%	0.14%	0.56%	0.27%	0.12%	0.47%	0.05%	0.00%	0.09%	0.10%	0.37%	0.13%	0.48%	0.25%
Marble, stone, and other	2.27%	3.55%	4.11%	13.92%	6.35%	3.16%	1.97%	2.12%	12.60%	5.33%	2.46%	3.39%	3.88%	13.72%	6.22%
Granite	36.48%	21.69%	42.66%	41.84%	38.97%	35.54%	11.30%	25.28%	23.56%	24.69%	36.28%	20.65%	40.67%	39.13%	37.12%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
VANITY COUNTERTOP MATERIAL															
Linear Feet															
Solid Surface	18.54%	9.91%	8.97%	6.39%	9.10%	29.07%	18.92%	9.46%	15.59%	15.02%	20.62%	10.67%	9.03%	7.72%	9.81%
Laminate	24.16%	26.79%	11.27%	14.55%	15.27%	14.31%	44.44%	18.76%	28.28%	23.80%	22.21%	28.27%	12.05%	16.54%	16.29%
Ceramic Tile	0.16%	0.61%	0.98%	36.63%	10.64%	0.00%	0.39%	1.25%	15.87%	5.96%	0.13%	0.59%	1.00%	33.63%	10.08%
Cultured Marble	40.25%	54.18%	62.54%	14.89%	46.69%	27.08%	33.71%	61.30%	7.62%	35.98%	37.64%	52.46%	62.41%	13.84%	45.40%
Wood (butcher block)	0.00%	0.00%	0.00%	0.03%	0.01%	1.38%	0.00%	0.00%	0.00%	0.18%	0.27%	0.00%	0.00%	0.02%	0.03%
Marble, stone, and other	16.89%	8.51%	16.23%	27.51%	18.30%	28.15%	2.54%	9.23%	32.65%	19.06%	19.12%	8.01%	15.51%	28.25%	18.39%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
ROOFING															
ROOFING MATERIAL (WITH WASTE FACTORS)															
Square Feet of Roofing															
Asphalt -- standard 3-tab	19.65%	31.84%	28.51%	7.56%	23.19%	21.62%	58.47%	13.89%	9.47%	18.81%	19.89%	33.16%	27.66%	7.67%	22.91%
Asphalt -- architectural grade	76.85%	65.12%	58.76%	42.26%	56.80%	72.51%	37.81%	54.82%	49.73%	54.23%	76.31%	63.76%	58.53%	42.72%	56.64%
Cedar shingles	0.55%	0.29%	0.03%	0.23%	0.15%	0.00%	0.04%	0.00%	0.63%	0.16%	0.48%	0.28%	0.03%	0.26%	0.15%
Cedar shakes	0.79%	0.96%	0.05%	0.28%	0.28%	0.07%	1.71%	0.00%	0.63%	0.35%	0.70%	1.00%	0.04%	0.30%	0.29%
Aluminum	0.02%	0.04%	0.46%	0.01%	0.26%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.04%	0.44%	0.00%	0.24%
Clay roof tiles	0.02%	0.01%	0.72%	3.97%	1.38%	0.00%	0.00%	1.19%	1.99%	1.09%	0.02%	0.01%	0.75%	3.84%	1.36%
Concrete roof tiles	0.03%	0.15%	8.39%	42.65%	15.14%	0.00%	0.00%	28.17%	34.51%	22.59%	0.03%	0.14%	9.53%	42.15%	15.61%
Fiber cement	0.00%	0.04%	0.02%	0.45%	0.13%	0.00%	0.00%	0.00%	1.27%	0.31%	0.00%	0.04%	0.02%	0.50%	0.14%
Slate	0.69%	0.06%	0.10%	0.16%	0.15%	4.53%	0.00%	0.00%	0.00%	0.65%	1.16%	0.06%	0.09%	0.15%	0.18%
Copper	0.26%	0.14%	0.30%	0.21%	0.25%	0.00%	0.08%	0.05%	0.00%	0.03%	0.23%	0.14%	0.28%	0.20%	0.24%
Steel	0.64%	1.21%	1.78%	1.09%	1.45%	0.27%	1.24%	0.32%	0.75%	0.52%	0.59%	1.22%	1.70%	1.07%	1.40%
Built-up asphalt	0.15%	0.00%	0.05%	0.84%	0.25%	1.00%	0.00%	1.57%	1.02%	1.18%	0.26%	0.00%	0.14%	0.85%	0.30%
Single-ply (EPDM, vinyl, modified bitumen)	0.35%	0.14%	0.82%	0.31%	0.57%	0.00%	0.64%	0.01%	0.00%	0.07%	0.31%	0.16%	0.77%	0.29%	0.54%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
SIDING															
SIDING MATERIAL (WITH WASTE FACTORS)															
Square Feet of Siding															
Plywood Panels	1.06%	1.16%	0.10%	2.20%	0.85%	0.43%	0.32%	2.58%	1.46%	1.63%	1.00%	1.12%	0.20%	2.15%	0.89%
Hardboard	1.11%	3.07%	2.74%	8.82%	4.15%	0.48%	0.37%	8.70%	2.63%	4.56%	1.05%	2.95%	2.99%	8.42%	4.18%
Lumber	5.65%	2.50%	1.32%	2.87%	2.23%	1.17%	0.84%	0.03%	7.18%	2.54%	5.25%	2.43%	1.26%	3.15%	2.24%
Cedar Shingles	8.04%	1.48%	0.75%	1.27%	1.58%	2.36%	3.86%	0.04%	2.12%	1.51%	7.53%	1.58%	0.72%	1.32%	1.58%
OSB	0.21%	4.96%	0.50%	3.58%	1.88%	0.49%	0.58%	0.00%	0.04%	0.16%	0.24%	4.77%	0.48%	3.35%	1.79%
Other wood	1.08%	1.71%	2.46%	3.17%	2.42%	0.00%	2.54%	0.06%	6.19%	2.27%	0.98%	1.75%	2.37%	3.37%	2.41%
Brick	12.46%	14.63%	30.18%	2.89%	19.74%	9.95%	33.36%	15.96%	0.31%	12.30%	12.23%	15.46%	29.59%	2.72%	19.35%
Natural Stone	1.24%	2.01%	4.81%	2.15%	3.45%	1.09%	0.10%	0.99%	0.66%	0.79%	1.23%	1.93%	4.65%	2.06%	3.32%
Manufactured Stone	5.36%	6.12%	2.35%	7.19%	4.34%	6.17%	5.26%	7.33%	7.09%	6.83%	5.44%	6.08%	2.56%	7.19%	4.47%
Cement Stucco	2.12%	1.37%	15.09%	43.10%	18.94%	6.18%	1.24%	40.24%	38.20%	29.75%	2.49%	1.36%	16.13%	42.79%	19.50%
Synthetic Stucco	1.48%	0.63%	0.74%	3.87%	1.56%	1.37%	0.05%	6.76%	1.47%	3.48%	1.47%	0.61%	0.99%	3.71%	1.66%
Concrete block	0.06%	0.00%	0.04%	0.02%	0.03%	0.03%	0.00%	0.91%	0.00%	0.38%	0.06%	0.00%	0.07%	0.02%	0.05%
Fiber Cement	5.89%	9.06%	20.73%	15.62%	16.56%	2.41%	9.50%	4.17%	19.88%	9.47%	5.57%	9.08%	20.04%	15.90%	16.19%
Vinyl	53.42%	49.03%	18.01%	2.44%	21.58%	67.88%	36.83%	11.49%	12.77%	23.39%	54.72%	48.49%	17.74%	3.11%	21.68%
Aluminum	0.02%	0.57%	0.00%	0.68%	0.25%	0.00%	0.37%	0.74%	0.00%	0.35%	0.02%	0.56%	0.03%	0.64%	0.26%
Steel	0.03%	1.64%	0.01%	0.08%	0.27%	0.00%	4.63%	0.00%	0.00%	0.57%	0.03%	1.78%	0.01%	0.07%	0.28%
Other Metal & Plastic	0.75%	0.03%	0.17%	0.03%	0.16%	0.00%	0.15%	0.00%	0.00%	0.02%	0.68%	0.04%	0.16%	0.03%	0.15%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

[illegible]

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
SHUTTERS & ORNAMENTAL TRIM															
SHUTTER MATERIAL															
Pairs of Shutters															
Wood	4.81%	7.43%	20.57%	60.04%	22.09%	0.37%	0.00%	0.00%	0.00%	0.06%	4.45%	7.33%	18.71%	52.89%	20.28%
Plastic	94.85%	87.10%	76.59%	31.17%	74.11%	99.16%	100.00%	100.00%	50.47%	88.37%	95.20%	87.27%	78.71%	33.47%	75.28%
Other	0.34%	5.48%	2.84%	8.78%	3.80%	0.46%	0.00%	0.00%	49.53%	11.58%	0.35%	5.40%	2.58%	13.64%	4.44%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
INTERIOR MOULDING MATERIAL (98 DATA)															
Linear Feet of Moulding															
Oak	24.02%	24.02%	1.81%	5.14%	9.89%	12.71%	12.71%	1.30%	6.07%	5.66%	21.89%	21.89%	23.11%	1.76%	9.43%
Other hardwood	8.17%	8.17%	2.00%	7.35%	5.26%	8.56%	8.56%	0.16%	1.49%	2.78%	8.24%	8.24%	8.20%	1.82%	4.99%
Finger-jointed pine	41.36%	41.36%	79.16%	40.06%	57.75%	57.18%	57.18%	81.69%	49.10%	66.32%	44.34%	44.34%	42.63%	79.41%	58.69%
Solid pine	17.99%	17.99%	4.78%	6.81%	9.60%	9.56%	9.56%	5.80%	7.34%	7.23%	16.41%	16.41%	17.32%	4.88%	9.34%
Veneer Clad Wood	3.77%	3.77%	1.45%	2.24%	2.40%	7.48%	7.48%	4.44%	0.22%	4.12%	4.47%	4.47%	4.06%	1.75%	2.59%
Vinyl clad wood															
Vinyl clad wood	1.28%	1.28%	0.02%	4.24%	1.40%	3.25%	3.25%	0.37%	4.60%	2.29%	1.65%	1.65%	1.43%	0.05%	1.50%
Medium density fiberboard	2.04%	2.04%	10.46%	30.65%	12.30%	0.16%	0.16%	5.51%	24.04%	9.06%	1.69%	1.69%	1.89%	9.97%	11.95%
Foam Plastic	0.97%	0.97%	0.11%	0.16%	0.40%	0.91%	0.91%	0.61%	0.16%	0.57%	0.96%	0.96%	0.96%	0.16%	0.42%
Ceramic Tile (baseboard)	0.29%	0.29%	0.22%	0.06%	0.20%	0.19%	0.19%	0.11%	0.28%	0.18%	0.27%	0.27%	0.28%	0.21%	0.20%
Other	0.11%	0.11%	0.00%	3.30%	0.79%	0.00%	0.00%	0.00%	6.70%	1.80%	0.09%	0.09%	0.10%	0.00%	0.90%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
EXTERIOR ORNAMENTAL TRIM MATERIAL															
Board Feet of Trim															
Solid wood / Lumber ornamental trim	17.94%	20.12%	11.59%	21.52%	15.78%	7.53%	11.30%	29.83%	30.52%	24.97%	16.75%	19.46%	12.55%	22.59%	16.49%
Plywood / LVL ornamental trim	0.69%	0.04%	0.48%	0.24%	0.37%	0.05%	0.00%	0.00%	2.04%	0.82%	0.62%	0.03%	0.45%	0.46%	0.40%
Hardboard or MDF ornamental trim	3.58%	12.73%	14.75%	19.35%	14.76%	0.14%	5.21%	6.04%	20.99%	11.19%	3.19%	12.17%	14.29%	19.54%	14.48%
Stucco on foam board ornamental trim	1.76%	1.62%	15.66%	25.30%	14.94%	9.09%	0.81%	18.54%	10.92%	11.95%	2.59%	1.56%	15.81%	23.59%	14.70%
Urethane plastic ornamental trim	15.54%	16.01%	9.18%	6.69%	10.05%	14.44%	4.82%	3.83%	27.54%	14.57%	15.41%	15.17%	8.89%	9.18%	10.40%
Vinyl (wrap) ornamental trim	12.86%	9.44%	12.16%	2.88%	9.51%	17.35%	10.35%	16.69%	4.39%	10.99%	13.37%	9.51%	12.40%	3.06%	9.63%
Fiber cement ornamental trim	3.50%	5.65%	16.70%	2.26%	10.51%	3.24%	3.37%	8.02%	0.00%	3.64%	3.47%	5.48%	16.24%	1.99%	9.97%
Wood / PLASTIC composite ornamental trim	6.47%	5.08%	4.52%	2.23%	4.18%	1.54%	16.49%	0.87%	0.04%	2.82%	5.91%	5.94%	4.32%	1.97%	4.07%
OSB ornamental trim	1.65%	5.59%	1.04%	3.94%	2.48%	0.00%	0.58%	0.10%	1.51%	0.71%	1.46%	5.22%	0.99%	3.65%	2.34%
Aluminum (wrap) ornamental trim	9.04%	13.75%	4.23%	1.59%	5.34%	16.04%	7.97%	12.73%	1.84%	8.11%	9.83%	13.32%	4.68%	1.62%	5.56%
Steel ornamental trim	0.00%	0.87%	0.05%	10.31%	2.71%	0.00%	1.66%	0.10%	0.00%	0.27%	0.00%	0.93%	0.06%	9.08%	2.52%
Cellular PVC or solid vinyl ornamental trim	26.51%	7.61%	5.65%	0.54%	6.23%	30.58%	27.11%	2.53%	0.20%	8.25%	26.97%	9.07%	5.48%	0.50%	6.39%
Other ornamental trim	0.48%	1.49%	4.00%	3.15%	3.15%	0.00%	10.33%	0.73%	0.00%	1.71%	0.42%	2.15%	3.82%	2.77%	3.04%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

	SINGLE-FAMILY					APARTMENTS					TOTAL NEW RESIDENTIAL				
	NORTHEAST	MIDWEST	SOUTH	WEST	US TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL	NORTHEAST	MIDWEST	SOUTH	WEST	U S TOTAL
OUTDOOR STRUCTURES															
PATIO MATERIAL															
Square Feet															
Poured concrete	52.26%	86.33%	82.34%	93.22%	84.96%						52.26%	86.33%	82.34%	93.22%	84.96%
Concrete pavers	18.84%	3.01%	7.72%	3.16%	6.29%						18.84%	3.01%	7.72%	3.16%	6.29%
Brick pavers	12.25%	4.88%	3.70%	1.07%	3.31%						12.25%	4.88%	3.70%	1.07%	3.31%
Natural stone	16.12%	3.68%	4.37%	2.29%	4.11%						16.12%	3.68%	4.37%	2.29%	4.11%
Brick or clay tiles	0.00%	0.24%	0.51%	0.16%	0.36%						0.00%	0.24%	0.51%	0.16%	0.36%
Treated wood block	0.29%	1.62%	0.69%	0.07%	0.56%						0.29%	1.62%	0.69%	0.07%	0.56%
Other	0.23%	0.25%	0.67%	0.03%	0.42%						0.23%	0.25%	0.67%	0.03%	0.42%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%						100.00%	100.00%	100.00%	100.00%	100.00%
DECK MATERIAL															
Square Feet															
Treated wood	45.01%	49.67%	78.95%	36.62%	59.11%						45.01%	49.67%	78.95%	36.62%	59.11%
Cedar	5.21%	22.23%	3.69%	8.86%	8.25%						5.21%	22.23%	3.69%	8.86%	8.25%
Redwood	0.49%	0.84%	0.68%	8.78%	2.69%						0.49%	0.84%	0.68%	8.78%	2.69%
Other untreated wood	8.72%	1.21%	1.77%	4.46%	3.27%						8.72%	1.21%	1.77%	4.46%	3.27%
PVC, vinyl, or fiberglass	5.62%	2.38%	1.61%	2.56%	2.51%						5.62%	2.38%	1.61%	2.56%	2.51%
Wood / Plastic composite (Trex, etc.)	34.95%	23.66%	13.29%	38.72%	24.18%						34.95%	23.66%	13.29%	38.72%	24.18%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%						100.00%	100.00%	100.00%	100.00%	100.00%
PORCH MATERIAL															
Square Feet															
Treated wood	19.45%	23.21%	21.89%	11.51%	19.81%						19.45%	23.21%	21.89%	11.51%	19.81%
Cedar	9.43%	12.43%	3.00%	3.12%	4.53%						9.43%	12.43%	3.00%	3.12%	4.53%
Redwood	0.14%	0.10%	0.35%	6.05%	1.44%						0.14%	0.10%	0.35%	6.05%	1.44%
Other untreated wood	10.59%	1.09%	0.97%	0.93%	1.63%						10.59%	1.09%	0.97%	0.93%	1.63%
Tiles: brick or clay	0.31%	0.52%	4.00%	1.61%	2.88%						0.31%	0.52%	4.00%	1.61%	2.88%
Plastic and composites	23.98%	12.86%	7.88%	10.87%	10.13%						23.98%	12.86%	7.88%	10.87%	10.13%
Brick & stone	5.24%	3.06%	8.54%	3.12%	6.62%						5.24%	3.06%	8.54%	3.12%	6.62%
Concrete	30.86%	46.74%	53.37%	62.78%	52.96%						30.86%	46.74%	53.37%	62.78%	52.96%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%						100.00%	100.00%	100.00%	100.00%	100.00%
WALKWAY MATERIAL															
Linear Feet															
Poured concrete	78.76%	95.02%	94.46%	92.66%	92.66%	93.80%	91.05%	96.31%	97.87%	95.97%	79.85%	94.95%	94.53%	92.95%	92.80%
Concrete paver	5.58%	0.98%	1.37%	5.34%	2.49%	2.00%	0.21%	0.50%	1.41%	0.97%	5.31%	0.97%	1.33%	5.13%	2.42%
Brick paver or brick / clay tiles	7.16%	2.91%	2.42%	0.48%	2.58%	2.27%	8.75%	1.15%	0.00%	1.49%	6.81%	3.02%	2.37%	0.46%	2.53%
Natural stone (include gravel or stone)	5.22%	0.78%	1.63%	1.15%	1.76%	0.00%	0.00%	0.00%	0.00%	0.00%	4.84%	0.77%	1.56%	1.08%	1.69%
Treated wood block	0.00%	0.26%	0.13%	0.01%	0.11%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.26%	0.12%	0.01%	0.11%
Asphalt and other	3.29%	0.04%	0.00%	0.35%	0.40%	1.93%	0.00%	2.04%	0.72%	1.57%	3.19%	0.04%	0.08%	0.37%	0.45%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

[illegible]

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
HOUSING STARTS	89	68	157	71	227
TOTAL WOOD USAGE IN NEW RESIDENTIAL CONSTRUCTION					
LUMBER & ENGINEERED LUMBER					
Lumber - Softwood					
Framing, BF	1,088,158	771,119	1,859,277	445,970	2,305,247
Boards, BF	59,338	54,433	113,771	33,585	147,356
Treated Framing, BF	47,909	63,549	111,458	10,324	121,782
Treated Boards, BF	7,448	6,100	13,548	679	14,227
Sawn Beams, BF	4,963	5,969	10,932	2,756	13,688
Logs, BF	0	0	0	0	0
Subtotal Lumber, BF	1,207,816	901,170	2,108,986	493,315	2,602,300
Engineered Lumber					
Glulam, BF	2,122	2,799	4,921	3,328	8,249
I-joist, BF equivalent	90,354	173,364	263,717	91,893	355,610
LVL, BF equivalent	34,633	45,167	79,800	43,003	122,803
Parallam™, BF equivalent	26,202	18,451	44,654	12,195	56,849
Timberstrand™, BF equivalent	8,436	17,229	25,664	15,942	41,607
Plywood Rim Board, BF equivalent	557	3,628	4,185	22	4,207
OSB Rim Board, BF equivalent	2,037	10,241	12,278	4,867	17,145
Subtotal Engineered Wood, BF equivalent	164,340	270,879	435,219	171,250	606,470
Total Lbr. & Eng. Lumber, BF equivalent	1,372,156	1,172,049	2,544,205	664,565	3,208,770
Hardwood lumber, BF	95,056	65,900	160,957	42,049	203,006
STRUCTURAL AND NONSTRUCTURAL PANELS					
Structural Panels, SF 3/8" Basis					
Softwood Plywood	472,449	252,992	725,442	130,371	855,813
Treated Plywood	133	2	134	0	134
OSB	481,942	584,475	1,066,417	336,496	1,402,912
Total Structural Panels, SF 3/8" basis	954,524	837,469	1,791,993	466,867	2,258,859
Nonstructural Wood Panels, SF 3/8" Basis					
Hardwood Plywood	2,571	5,288	7,858	1,735	9,594
MDF	2,050	2,953	5,003	1,595	6,598
Particleboard	69,922	56,948	126,870	47,835	174,705
Hardboard	35,107	18,276	53,383	12,121	65,504
Lauan	5,399	235	5,634	1,932	7,565
Fiberboard	13,900	0	13,900	1,003	14,903
Total Non-Str'l Wood Panels, SF 3/8" basis	128,949	83,699	212,648	66,221	278,869
Total Panels, SF 3/8" basis equivalent	1,083,473	921,167	2,004,641	533,087	2,537,728

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
WOOD USAGE IN FLOOR SYSTEMS					
LUMBER & ENGINEERED LUMBER					
Lumber - Softwood					
Framing, BF	209,041	55,849	264,890	53,693	318,583
Boards, BF	15	1	15	0	15
Treated Framing, BF	na	na	na	na	na
Treated Boards, BF	na	na	na	na	na
Sawn Beams, BF	444	247	691	0	691
Logs, BF	na	na	na	na	na
Subtotal Lumber, BF	209,500	56,096	265,596	53,693	319,290
Engineered Lumber					
Glulam, BF	1,695	1,470	3,165	3,302	6,467
I-joist, BF equivalent	88,433	165,900	254,333	88,758	343,091
LVL, BF equivalent	30,029	41,303	71,332	40,405	111,737
Parallam™, BF equivalent	19,292	15,993	35,285	11,056	46,342
Timberstrand™, BF equivalent	7,954	12,956	20,909	14,346	35,255
Plywood Rim Board, BF equivalent	557	3,628	4,185	22	4,207
OSB Rim Board, BF equivalent	2,037	10,241	12,278	4,867	17,145
Subtotal Engineered Wood, BF equivalent	149,997	251,490	401,487	162,756	564,243
Total Lbr. & Eng. Lumber, BF equivalent	359,497	307,587	667,083	216,449	883,533
Concrete, BF equivalent	10,755	1,877	12,632	13,897	26,530
Steel, BF equivalent	745	517	1,262	138	1,400
Total Material, BF equivalent	370,996	309,981	680,978	230,484	911,462
STRUCTURAL AND NONSTRUCTURAL PANELS					
Structural Panels, SF 3/8" Basis					
Softwood Plywood	204,194	101,637	305,831	57,692	363,522
Treated Plywood	na	na	na	na	na
OSB	144,965	191,152	336,117	121,126	457,243
Total Structural Panels, SF 3/8" basis	349,158	292,789	641,947	178,818	820,765
Nonstructural Wood Panels, SF 3/8" Basis					
Hardwood Plywood	na	na	na	na	na
MDF	na	na	na	na	na
Particleboard	41	4,222	4,263	5,145	9,408
Hardboard	1	53	53	0	53
Lauan	5,399	235	5,634	1,932	7,565
Fiberboard	na	na	na	na	na
Total Non-Str'l Wood Panels, SF 3/8" basis	5,440	4,510	9,950	7,076	17,027
Total Panels, SF 3/8" basis equivalent	354,599	297,299	651,898	185,894	837,792
Concrete, SF 3/8" basis equivalent	10,521	2,313	12,834	12,452	25,286
Total Material, SF 3/8" basis equivalent	365,120	299,612	664,732	198,346	863,077

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
WOOD USAGE IN WALL SYSTEMS					
LUMBER & ENGINEERED LUMBER					
Lumber - Softwood					
Framing, BF	442,861	396,041	838,901	252,606	1,091,507
Boards, BF	10,984	169	11,153	578	11,732
Treated Framing, BF	7,569	5,328	12,896	2,477	15,373
Treated Boards, BF	na	na	na	na	na
Sawn Beams, BF	1,760	3,244	5,004	2,698	7,702
Logs, BF	0	0	0	0	0
Subtotal Lumber, BF	463,174	404,781	867,955	258,359	1,126,314
Engineered Lumber					
Glulam, BF	427	725	1,152	26	1,178
I-joist, BF equivalent	31	24	55	0	55
LVL, BF equivalent	2,869	3,571	6,440	1,979	8,419
Parallam™, BF equivalent	5,318	2,352	7,670	1,095	8,765
Timberstrand™, BF equivalent	442	4,267	4,709	1,597	6,305
Plywood Rim Board, BF equivalent	na	na	na	na	na
OSB Rim Board, BF equivalent	na	na	na	na	na
Subtotal Engineered Wood, BF equivalent	9,087	10,939	20,026	4,696	24,722
Total Lbr. & Eng. Lumber, BF equivalent	472,261	415,720	887,981	263,055	1,151,036
Concrete, BF equivalent	24,952	3,200	28,152	3,807	31,959
Steel - Exterior Walls, BF equivalent	7,521	0	7,521	1,332	8,853
Steel - Interior Walls, BF equivalent	10,002	66	10,068	3,903	13,971
Total Material, BF equivalent	514,736	418,986	933,722	272,096	1,205,818
STRUCTURAL AND NONSTRUCTURAL PANELS (Including Plywood in Box Beams)					
Structural Panels, SF 3/8" Basis					
Softwood Plywood	45,987	67,403	113,390	19,032	132,423
Treated Plywood	na	na	na	na	na
OSB	161,791	200,273	362,064	113,306	475,370
Total Structural Panels, SF 3/8" basis	207,778	267,676	475,454	132,338	607,793
Nonstructural Wood Panels, SF 3/8" Basis					
Hardwood Plywood	na	na	na	na	na
MDF	na	na	na	na	na
Particleboard	na	na	na	na	na
Hardboard	na	na	na	na	na
Lauan	na	na	na	na	na
Fiberboard	13,900	0	13,900	1,003	14,903
Total Non-Str'l Wood Panels, SF 3/8" basis	13,900	0	13,900	1,003	14,903
Total Panels, SF 3/8" basis equivalent	221,678	267,676	489,355	133,341	622,696
Concrete, SF 3/8" basis equivalent	30,007	2,512	32,519	2,366	34,885
Foam and Other, SF 3/8" basis equivalent	131,035	3,629	134,664	45,204	179,867
Total Material, SF 3/8" basis equivalent	382,720	273,818	656,538	180,910	837,448

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
WOOD USAGE IN ROOF SYSTEMS					
LUMBER & ENGINEERED LUMBER					
Lumber - Softwood					
Framing, BF	371,240	260,656	631,897	105,175	737,072
Boards, BF	2,691	4,677	7,368	0	7,368
Treated Framing, BF	na	na	na	na	na
Treated Boards, BF	na	na	na	na	na
Sawn Beams, BF	45	148	193	58	251
Logs, BF	na	na	na	na	na
Subtotal Lumber, BF	373,977	265,481	639,458	105,234	744,692
Engineered Lumber					
Glulam, BF	0	604	604	0	604
I-joist, BF equivalent	1,889	7,440	9,329	3,136	12,465
LVL, BF equivalent	1,734	294	2,028	619	2,648
Parallam™, BF equivalent	1,593	106	1,699	44	1,743
Timberstrand™, BF equivalent	40	6	46	0	46
Plywood Rim Board, BF equivalent	na	na	na	na	na
OSB Rim Board, BF equivalent	na	na	na	na	na
Subtotal Engineered Wood, BF equivalent	5,256	8,450	13,707	3,799	17,506
Total Lbr. & Eng. Lumber, BF equivalent	379,233	273,932	653,165	109,033	762,197
Steel, BF equivalent	0	0	0	0	0
Total Material, BF equivalent	379,233	273,932	653,165	109,033	762,197
STRUCTURAL AND NONSTRUCTURAL PANELS					
Structural Panels, SF 3/8" Basis					
Softwood Plywood	217,378	72,933	290,311	49,345	339,656
Treated Plywood	na	na	na	na	na
OSB	159,130	184,812	343,943	97,102	441,045
Total Structural Panels, SF 3/8" basis	376,508	257,746	634,254	146,447	780,701
Nonstructural Wood Panels, SF 3/8" Basis					
Hardwood Plywood	na	na	na	na	na
MDF	na	na	na	na	na
Particleboard	na	na	na	na	na
Hardboard	na	na	na	na	na
Lauan	na	na	na	na	na
Fiberboard	na	na	na	na	na
Total Non-Str'l Wood Panels, SF 3/8" basis	na	na	na	na	na
Total Panels, SF 3/8" basis equivalent	376,508	257,746	634,254	146,447	780,701

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
WOOD USAGE IN FOUNDATIONS					
LUMBER & ENGINEERED LUMBER					
Lumber - Softwood					
Framing, BF	11,627	8,872	20,499	5,375	25,874
Boards, BF	na	na	na	na	na
Treated Framing, BF	15,453	12,091	27,544	6,795	34,340
Treated Boards, BF	63	1	64	0	64
Sawn Beams, BF	339	267	606	150	757
Logs, BF	na	na	na	na	na
Subtotal Lumber, BF	27,482	21,232	48,714	12,320	61,034
Engineered Lumber					
Glulam, BF	na	na	na	na	na
I-joist, BF equivalent	na	na	na	na	na
LVL, BF equivalent	na	na	na	na	na
Parallam™, BF equivalent	na	na	na	na	na
Timberstrand™, BF equivalent	na	na	na	na	na
Plywood Rim Board, BF equivalent	na	na	na	na	na
OSB Rim Board, BF equivalent	na	na	na	na	na
Subtotal Engineered Wood, BF equivalent	na	na	na	na	na
Total Lbr. & Eng. Lumber, BF equivalent	27,482	21,232	48,714	12,320	61,034
Hardwood lumber, BF	na	na	na	na	na
STRUCTURAL AND NONSTRUCTURAL PANELS					
Structural Panels, SF 3/8" Basis					
Softwood Plywood	na	na	na	na	na
Treated Plywood	133	2	134	0	134
OSB	na	na	na	na	na
Total Structural Panels, SF 3/8" basis	133	2	134	0	134
Nonstructural Wood Panels, SF 3/8" Basis					
Hardwood Plywood	na	na	na	na	na
MDF	na	na	na	na	na
Particleboard	na	na	na	na	na
Hardboard	na	na	na	na	na
Lauan	na	na	na	na	na
Fiberboard	na	na	na	na	na
Total Non-Str'l Wood Panels, SF 3/8" basis	na	na	na	na	na
Total Panels, SF 3/8" basis equivalent	133	2	134	0	134

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
WOOD USAGE IN MILLWORK					
LUMBER & ENGINEERED LUMBER					
Lumber - Softwood					
Framing, BF *	41,379	41,403	82,782	25,515	108,296
Boards, BF **	43,821	45,670	89,491	32,474	121,965
Treated Framing, BF	na	na	na	na	na
Treated Boards, BF	na	na	na	na	na
Sawn Beams, BF	0	0	0	0	0
Logs, BF	na	na	na	na	na
Subtotal Lumber, BF	85,201	87,072	172,273	57,988	230,261
Engineered Lumber					
Glulam, BF	na	na	na	na	na
I-joist, BF equivalent	na	na	na	na	na
LVL, BF equivalent	na	na	na	na	na
Parallam™, BF equivalent	na	na	na	na	na
Timberstrand™, BF equivalent	na	na	na	na	na
Plywood Rim Board, BF equivalent	na	na	na	na	na
OSB Rim Board, BF equivalent	na	na	na	na	na
Subtotal Engineered Wood, BF equivalent	na	na	na	na	na
Total Lbr. & Eng. Lumber, BF equivalent	85,201	87,072	172,273	57,988	230,261
Hardwood lumber, BF	95,056	65,900	160,957	42,049	203,006
STRUCTURAL AND NONSTRUCTURAL PANELS					
Structural Panels, SF 3/8" Basis					
Softwood Plywood	4,891	11,019	15,910	4,302	20,212
Treated Plywood	na	na	na	na	na
OSB	16,056	8,238	24,293	4,961	29,255
Total Structural Panels, SF 3/8" basis	20,947	19,256	40,203	9,263	49,466
Nonstructural Wood Panels, SF 3/8" Basis					
Hardwood Plywood	2,571	5,288	7,858	1,735	9,594
MDF	2,050	2,953	5,003	1,595	6,598
Particleboard	69,881	52,726	122,606	42,690	165,297
Hardboard	35,107	18,223	53,329	12,121	65,450
Lauan	na	na	na	na	na
Fiberboard	na	na	na	na	na
Subtotal Non-Str'l Wood Panels, SF 3/8"	109,609	79,189	188,797	58,141	246,939
Total Panels, SF 3/8" basis equivalent	130,555	98,445	229,001	67,404	296,405

* Millwork cut from stock greater than 1 inch

** Millwork cut from 1" stock or less, including beveled siding

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
WOOD USAGE IN OUTDOOR STRUCTURES					
LUMBER & ENGINEERED LUMBER					
Lumber - Softwood					
Framing, BF	12,010	8,298	20,308	3,606	23,914
Boards, BF	1,826	3,916	5,743	533	6,276
Treated Framing, BF	23,230	43,426	66,656	451	67,107
Treated Boards, BF	8,703	8,536	17,239	1,130	18,369
Sawn Beams, BF	2,713	2,331	5,044	0	5,044
Logs, BF	na	na	na	na	na
Subtotal Lumber, BF	48,482	66,507	114,989	5,720	120,709
Engineered Lumber					
Glulam, BF	na	na	na	na	na
I-joist, BF equivalent	na	na	na	na	na
LVL, BF equivalent	na	na	na	na	na
Parallam™, BF equivalent	na	na	na	na	na
Timberstrand™, BF equivalent	na	na	na	na	na
Plywood Rim Board, BF equivalent	na	na	na	na	na
OSB Rim Board, BF equivalent	na	na	na	na	na
Subtotal Engineered Wood, BF equivalent	na	na	na	na	na
Total Lbr. & Eng. Lumber, BF equivalent	48,482	66,507	114,989	5,720	120,709
Hardwood lumber, BF	na	na	na	na	na
STRUCTURAL AND NONSTRUCTURAL PANELS*					
Structural Panels, SF 3/8" Basis					
Softwood Plywood	na	na	na	na	na
Treated Plywood	na	na	na	na	na
OSB	na	na	na	na	na
Total Structural Panels, SF 3/8" basis	na	na	na	na	na
Nonstructural Wood Panels, SF 3/8" Basis					
Hardwood Plywood	na	na	na	na	na
MDF	na	na	na	na	na
Particleboard	na	na	na	na	na
Hardboard	na	na	na	na	na
Lauan	na	na	na	na	na
Fiberboard	na	na	na	na	na
Total Non-Str'l Wood Panels, SF 3/8" basis	na	na	na	na	na
Total Panels, SF 3/8" basis equivalent	na	na	na	na	na
TOTAL WOOD USAGE IN FOUNDATION AND OUTDOOR STRUCTURE USAGE					
Total - Lumber, BF	28,176	23,418	51,594	9,514	61,108
Total - Treated Lumber, BF	47,788	64,321	112,109	8,526	120,636
Total - Plywood - Treated, SF 3/8" Basis	133	2	134	0	134

* Sheathing over porches is included in roof sheathing.

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
WOOD USAGE IN ALL FRAMING (Excluding sheathing and millwork)					
TOTAL LUMBER - FOUNDATIONS, WALLS, FLOORS, ROOF, BEAMS, RIM BOARDS & OUTDOOR STRUCTURES					
Lumber - Regular, BF					
2x3s	2,460	20	2,480	0	2,480
2x4s	766,395	634,336	1,400,731	443,856	1,844,587
2x6s	253,928	226,547	480,475	115,957	596,432
2x8s	114,834	19,010	133,844	31,643	165,487
2x10s	131,856	26,994	158,849	24,487	183,337
2x12s	40,396	24,359	64,755	17,469	82,224
Boards	1,826	3,916	5,743	533	6,276
Solid Sawn Beams	4,963	5,969	10,932	2,756	13,688
Logs	0	0	0	0	0
Total Lumber - Regular, BF	1,316,657	941,151	2,257,808	636,703	2,894,511
Lumber - Treated, BF					
2x4s	13,804	17,057	30,861	2,477	33,338
2x6s	18,634	18,253	36,887	6,795	43,682
2x8s	4,098	7,533	11,631	0	11,631
2x10s	5,460	10,271	15,730	0	15,730
2x12s	1,820	3,424	5,243	0	5,243
Boards	7,448	6,100	13,548	679	14,227
Posts	1,457	2,137	3,594	150	3,745
Fencing & landscape timbers	2,636	4,874	7,510	902	8,413
Total Lumber - Treated, BF	55,357	69,649	125,006	11,003	136,009
TOTAL LUMBER AND ENGINEERED WOOD EQUIVALENTS USED IN FRAMING (Excluding boards)					
Lumber Equivalent					
Lumber, BF	1,367,051	1,004,831	2,371,882	644,949	3,016,831
Solid Sawn Beams, BF	4,963	5,969	10,932	2,756	13,688
Glulam, BF	2,122	2,799	4,921	3,328	8,249
I-joists, LF	45,177	86,682	131,859	45,947	177,805
I-joists, BF equivalent	90,354	173,364	263,717	91,893	355,610
LVL, Cubic Feet	2,165	2,823	4,988	2,688	7,675
LVL, BF equivalent	34,633	45,167	79,800	43,003	122,803
Parallam™, Cubic Feet	1,638	1,153	2,791	762	3,553
Parallam™, BF equivalent	26,202	18,451	44,654	12,195	56,849
Timberstrand™, LF	534	1,140	1,674	1,027	2,702
Timberstrand™, BF equivalent	6,407	13,684	20,092	12,330	32,421
Plywood, BF equivalent	557	3,628	4,185	22	4,207
OSB, BF equivalent	2,037	10,241	12,278	4,867	17,145
Total Engineered Wood, BF Equivalent	162,312	267,335	429,647	167,638	597,285
Total Lbr. & Eng. Lumber, BF equivalent	1,534,326	1,278,135	2,812,461	815,343	3,627,804

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
--	-------------	------------------------------	--------	----------------------	---------------------------------

All Data in Thousands

WOOD USAGE IN FOUNDATIONS

FOUNDATIONS

WOOD FOUNDATION SYSTEMS

Lumber - Treated, 2 x 6, BF	32	0	32	0	32
Lumber - Treated, 2 x 8, BF	95	1	96	0	96
Plywood - Treated, SF 3/8" Basis	133	2	134	0	134
MASONRY FOUNDATIONS					
Sill Plates - 2 x 6 Treated, BF	15,327	12,090	27,417	6,795	34,212
Support Posts - Treated, BF	339	267	606	150	757
Furring for Precast - Treated, BF	63	1	64	0	64
Temporary structures - 2 x 4, BF	11,627	8,872	20,499	5,375	25,874
TOTAL - Untreated Lumber, BF	11,627	8,872	20,499	5,375	25,874
TOTAL - Treated Lumber, BF	15,855	12,359	28,215	6,945	35,160

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
WOOD USAGE IN FLOOR FRAMING - ALL FLOORS					
FLOOR JOISTS - ALL FLOORS					
2 x 4s (Trusses), BF	37,401	6,462	43,863	5,948	49,811
2 x 8s, BF Lumber	19,621	627	20,248	9,628	29,876
2 x 10s, BF Lumber	115,158	26,976	142,134	21,730	163,864
2 x 12s, BF Lumber	383	8,046	8,429	5,582	14,011
Subtotal: Lumber in Floor Joists, BF	172,564	42,110	214,674	42,888	257,562
I-joists, LF	42,063	81,946	124,008	41,230	165,238
I-joists, BF equivalent	84,125	163,891	248,016	82,459	330,476
Total Lbr. & Eng. Lumber, BF equivalent	256,689	206,002	462,691	125,347	588,038
FLOOR BEAMS - ALL FLOORS					
Built-up Dimension Lumber, BF	33,237	13,523	46,761	9,054	55,815
Solid Sawn Beams, BF	444	247	691	0	691
Glulam, BF	1,208	946	2,153	3,302	5,456
LVL, Cubic Feet	1,824	2,391	4,215	2,417	6,632
LVL, BF equivalent	29,182	38,256	67,438	38,676	106,115
Timberstrand™, Cubic Feet	192	463	654	498	1,152
Timberstrand™, BF equivalent	3,066	7,401	10,466	7,965	18,431
Parallam™, Cubic Feet	1,206	1,000	2,205	691	2,896
Parallam™, BF equivalent	19,292	15,993	35,285	11,056	46,342
I-joists, LF	1,786	643	2,429	1,781	4,210
I-joist, BF equivalent	3,572	1,287	4,859	3,561	8,420
Total Lbr. & Eng. Lumber, BF equivalent	90,000	77,653	167,654	73,615	241,269
RIM BOARDS FOR I-JOISTS - ALL FLOORS					
Lumber, BF	3,240	215	3,455	1,751	5,206
Timberstrand™, Cubic Feet	306	347	653	399	1,051
Timberstrand™, BF equivalent	4,888	5,555	10,443	6,381	16,824
I-joist, LF	368	361	729	1,369	2,097
I-joist, BF equivalent	736	722	1,458	2,737	4,195
LVL, Cubic Feet	53	190	243	108	351
LVL, BF equivalent	847	3,046	3,894	1,729	5,622
Glulam, BF	487	524	1,011	0	1,011
Plywood, 3/8 inch basis	836	5,442	6,277	33	6,310
Plywood, BF equivalent	557	3,628	4,185	22	4,207
OSB, 3/8 inch basis	3,055	15,362	18,417	7,300	25,717
OSB, BF equivalent	2,037	10,241	12,278	4,867	17,145
Total Lbr. & Eng. Lumber, BF equivalent	12,793	23,931	36,724	17,486	54,210
TOTAL WOOD USAGE IN FLOOR FRAMING (Excluding boards) - ALL FLOORS					
Lumber Equivalent					
Lumber, BF	209,485	56,096	265,581	53,693	319,274
Glulam, BF	1,695	1,470	3,165	3,302	6,467
I-joists, LF	44,217	82,950	127,167	44,379	171,545
I-joist, BF equivalent	88,433	165,900	254,333	88,758	343,091
LVL, Cubic Feet	1,877	2,581	4,458	2,525	6,984
LVL, BF equivalent	30,029	41,303	71,332	40,405	111,737
Parallam™, Cubic Feet	1,206	1,000	2,205	691	2,896
Parallam™, BF equivalent	19,292	15,993	35,285	11,056	46,342
Timberstrand™, Cubic Feet	497	810	1,307	897	2,203
Timberstrand™, BF equivalent	7,954	12,956	20,909	14,346	35,255
Plywood - BF equivalent	557	3,628	4,185	22	4,207
OSB - BF equivalent	2,037	10,241	12,278	4,867	17,145
Total Engineered Wood, BF Equivalent	149,997	251,490	401,487	162,756	564,243
Total Lbr. & Eng. Lumber, BF equivalent	359,482	307,586	667,068	216,449	883,517

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
WOOD USAGE IN FLOOR FRAMING - GROUND FLOOR					
FLOOR JOISTS - GROUND FLOOR					
2 x 4s (Trusses), BF	25,538	4,196	29,734	3,994	33,728
2 x 8s, BF Lumber	14,642	353	14,995	6,108	21,103
2 x 10s, BF Lumber	85,934	15,210	101,144	13,785	114,930
2 x 12s, BF Lumber	286	4,537	4,822	3,542	8,364
Subtotal: Lumber in Floor Joists, BF	126,400	24,296	150,696	27,429	178,125
I-joists, LF	29,754	55,640	85,393	23,814	109,208
I-joists, BF equivalent	59,507	111,280	170,787	47,629	218,416
Total Lbr. & Eng. Lumber, BF equivalent	185,907	135,576	321,483	75,058	396,541
FLOOR BEAMS - GROUND FLOOR					
Built-up Dimension Lumber, BF	23,366	6,454	29,820	6,464	36,284
Solid Sawn Beams, BF	35	129	165	0	165
Glulam, BF	366	600	966	2,562	3,528
LVL, Cubic Feet	1,182	1,873	3,055	1,166	4,221
LVL, BF equivalent	18,918	29,969	48,887	18,650	67,537
Timberstrand™, Cubic Feet	143	375	518	241	759
Timberstrand™, BF equivalent	2,287	6,001	8,288	3,858	12,147
Parallam™, Cubic Feet	761	673	1,434	361	1,795
Parallam™, BF equivalent	12,176	10,760	22,936	5,779	28,715
I-joists, LF	1,539	382	1,921	166	2,087
I-joist, BF equivalent	3,077	765	3,842	332	4,174
Total Lbr. & Eng. Lumber, BF equivalent	60,226	54,678	114,904	37,645	152,549
RIM BOARDS FOR I-JOISTS - GROUND FLOOR					
Lumber, BF	2,791	128	2,919	163	3,082
Timberstrand™, Cubic Feet	263	206	470	37	507
Timberstrand™, BF equivalent	4,211	3,303	7,513	594	8,107
I-joist, LF	317	215	532	127	659
I-joist, BF equivalent	634	429	1,063	255	1,318
LVL, Cubic Feet	46	113	159	10	169
LVL, BF equivalent	730	1,811	2,541	161	2,702
Glulam, BF	420	312	731	0	731
Plywood, 3/8 inch basis	720	3,235	3,955	3	3,958
Plywood, BF equivalent	480	2,157	2,637	2	2,639
OSB, 3/8 inch basis	2,632	9,133	11,765	680	12,444
OSB, BF equivalent	1,754	6,089	7,843	453	8,296
Total Lbr. & Eng. Lumber, BF equivalent	11,020	14,228	25,247	1,628	26,876
TOTAL WOOD USAGE IN FLOOR FRAMING (Excluding boards) - GROUND FLOOR					
Lumber Equivalent					
Lumber, BF	152,592	31,007	183,599	34,056	217,655
Glulam, BF	786	911	1,697	2,562	4,260
I-joists, LF	31,609	56,237	87,846	24,108	111,954
I-joist, BF equivalent	63,218	112,474	175,692	48,215	223,907
LVL, Cubic Feet	1,228	1,986	3,214	1,176	4,390
LVL, BF equivalent	19,647	31,780	51,427	18,811	70,239
Parallam™, Cubic Feet	761	673	1,434	361	1,795
Parallam™, BF equivalent	12,176	10,760	22,936	5,779	28,715
Timberstrand™, Cubic Feet	406	581	988	278	1,266
Timberstrand™, BF equivalent	6,498	9,304	15,802	4,452	20,254
Plywood - BF equivalent	480	2,157	2,637	2	2,639
OSB - BF equivalent	1,754	6,089	7,843	453	8,296
Total Engineered Wood, BF Equivalent	104,560	173,474	278,035	80,275	358,310
Total Lbr. & Eng. Lumber, BF equivalent	257,153	204,481	461,634	114,331	575,965

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
WOOD USAGE IN FLOOR FRAMING - UPPER FLOORS					
FLOOR JOISTS - UPPER FLOORS					
2 x 4s (Trusses), BF	11,863	2,266	14,129	1,954	16,083
2 x 8s, BF Lumber	4,979	273	5,253	3,520	8,773
2 x 10s, BF Lumber	29,224	11,766	40,990	7,944	48,934
2 x 12s, BF Lumber	97	3,509	3,606	2,041	5,647
Subtotal: Lumber in Floor Joists, BF	46,164	17,815	63,978	15,459	79,437
I-joists, LF	12,309	26,306	38,615	17,415	56,030
I-joists, BF equivalent	24,618	52,612	77,229	34,831	112,060
Total Lbr. & Eng. Lumber, BF equivalent	70,782	70,426	141,208	50,290	191,497
FLOOR BEAMS - UPPER FLOORS					
Built-up Dimension Lumber, BF	9,871	7,070	16,941	2,591	19,531
Solid Sawn Beams, BF	409	118	526	0	526
Glulam, BF	841	346	1,188	740	1,927
LVL, Cubic Feet	642	518	1,159	1,252	2,411
LVL, BF equivalent	10,264	8,287	18,552	20,026	38,578
Timberstrand™, Cubic Feet	49	87	136	257	393
Timberstrand™, BF equivalent	778	1,399	2,178	4,107	6,285
Parallam™, Cubic Feet	445	327	772	330	1,102
Parallam™, BF equivalent	7,116	5,233	12,349	5,278	17,627
I-joists, LF	248	261	508	1,615	2,123
I-joist, BF equivalent	495	522	1,017	3,230	4,246
Total Lbr. & Eng. Lumber, BF equivalent	29,775	22,975	52,750	35,970	88,720
RIM BOARDS FOR I-JOISTS - UPPER FLOORS					
Lumber, BF	449	87	536	1,588	2,124
Timberstrand™, Cubic Feet	42	141	183	362	545
Timberstrand™, BF equivalent	677	2,252	2,930	5,787	8,716
I-joist, LF	51	146	197	1,241	1,438
I-joist, BF equivalent	102	293	395	2,482	2,877
LVL, Cubic Feet	7	77	85	98	183
LVL, BF equivalent	117	1,235	1,353	1,568	2,920
Glulam, BF	68	212	280	0	280
Plywood, 3/8 inch basis	116	2,206	2,322	30	2,352
Plywood, BF equivalent	77	1,471	1,548	20	1,568
OSB, 3/8 inch basis	423	6,229	6,652	6,620	13,273
OSB, BF equivalent	282	4,153	4,435	4,414	8,849
Total Lbr. & Eng. Lumber, BF equivalent	1,773	9,704	11,477	15,858	27,335
TOTAL WOOD USAGE IN FLOOR FRAMING (Excluding boards) - UPPER FLOORS					
Lumber Equivalent					
Lumber, BF	56,893	25,089	81,982	19,638	101,619
Glulam, BF	909	559	1,468	740	2,207
I-joists, LF	12,607	26,713	39,320	20,271	59,592
I-joist, BF equivalent	25,215	53,426	78,641	40,542	119,183
LVL, Cubic Feet	649	595	1,244	1,350	2,594
LVL, BF equivalent	10,382	9,522	19,904	21,594	41,498
Parallam™, Cubic Feet	445	327	772	330	1,102
Parallam™, BF equivalent	7,116	5,233	12,349	5,278	17,627
Timberstrand™, Cubic Feet	91	228	319	618	938
Timberstrand™, BF equivalent	1,456	3,652	5,108	9,893	15,001
Plywood - BF equivalent	77	1,471	1,548	20	1,568
OSB - BF equivalent	282	4,153	4,435	4,414	8,849
Total Engineered Wood, BF Equivalent	45,437	78,016	123,453	82,480	205,933
Total Lbr. & Eng. Lumber, BF equivalent	102,329	103,105	205,434	102,118	307,552

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
WOOD USAGE IN FLOOR SYSTEMS					
LUMBER & ENGINEERED LUMBER					
ALL FLOORS					
Total Lbr. & Eng. Lumber, BF equivalent	359,497	307,587	667,083	216,449	883,533
Concrete, BF equivalent	10,755	1,877	12,632	13,897	26,530
Steel, BF equivalent	745	517	1,262	138	1,400
Total Material, BF equivalent	370,996	309,981	680,978	230,484	911,462
GROUND FLOOR					
Total Lbr. & Eng. Lumber, BF equivalent	257,164	204,482	461,645	114,331	575,976
Concrete, BF equivalent	10,270	1,877	12,147	9,041	21,188
Steel, BF equivalent	656	517	1,174	138	1,311
Total Material, BF equivalent	268,090	206,876	474,966	123,509	598,475
UPPER FLOORS					
Total Lbr. & Eng. Lumber, BF equivalent	102,333	103,105	205,438	102,118	307,556
Concrete, BF equivalent	485	0	485	4,857	5,342
Steel, BF equivalent	88	0	88	0	88
Total Material, BF equivalent	102,907	103,105	206,011	106,975	312,986
STRUCTURAL AND NONSTRUCTURAL PANELS					
ALL FLOORS					
Total Panels, SF 3/8" basis equivalent	354,599	297,299	651,898	185,894	837,792
Concrete, SF 3/8" basis equivalent	10,521	2,313	12,834	12,452	25,286
Total Material, BF equivalent	365,120	299,612	664,732	198,346	863,077
GROUND FLOOR					
Total Panels, SF 3/8" basis equivalent	261,249	197,172	458,421	112,407	570,828
Concrete, SF 3/8" basis equivalent	7,751	1,534	9,285	7,529	16,815
Total Material, BF equivalent	269,000	198,706	467,706	119,937	587,643
UPPER FLOORS					
Total Panels, SF 3/8" basis equivalent	93,350	100,127	193,477	73,487	266,964
Concrete, SF 3/8" basis equivalent	2,770	779	3,549	4,922	8,471
Total Material, BF equivalent	96,120	100,906	197,026	78,409	275,435

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
WOOD USAGE IN WALL FRAMING					
WALL FRAMING					
2 x 4s Walls, BF	59,505	27,233	86,738	43,132	129,869
2 x 6s Walls, BF	171,616	187,601	359,217	90,536	449,753
Interior 2 x 3s Walls, BF	2,460	20	2,480	0	2,480
Interior 2 x 4s Walls, BF	148,782	127,566	276,348	87,464	363,812
Interior 2 x 6s Walls, BF	17,566	17,226	34,792	9,397	44,189
Treated plates on slabs	7,569	5,328	12,896	2,477	15,373
Blocking for drywall, 2 x 4, BF	11,812	10,281	22,093	6,878	28,970
Blocking for drywall, 2 x 6, BF	10,715	9,327	20,042	6,239	26,281
Subtotal: Dimension Lumber in Walls	430,025	384,582	814,606	246,121	1,060,727
Timberstrand™, BF equivalent	283	2,647	2,929	1,456	4,386
I-joists, LF or BF equivalent	na	na	na	na	na
Post and Beams, BF	820	3,192	4,012	2,333	6,346
Logs, BF	0	0	0	0	0
Total Lbr. & Eng. Lumber, BF equivalent	431,128	390,421	821,548	249,911	1,071,459
WINDOW AND DOOR HEADERS					
Lumber,BF(Blt-up,Open Web & Flitch Pl'te)	16,793	14,192	30,985	7,873	38,858
Solid Sawn Beams, BF	873	51	924	365	1,288
Glulam, BF	168	461	629	0	629
I-Joists, LF	16	12	27	0	27
I-joists, BF equivalent	31	24	55	0	55
LVL, Cubic Feet	109	65	174	71	245
LVL, BF equivalent	1,752	1,039	2,791	1,134	3,925
Parallam™, Cubic Feet	243	85	329	29	357
Parallam™, BF equivalent	3,893	1,365	5,258	458	5,717
Timberstrand™, Cubic Feet	9	60	69	9	78
Timberstrand™, BF equivalent	143	966	1,110	140	1,250
Glued and Nailed Box Beams, BF Lumber	37	20	58	0	58
Total Lbr. & Eng. Lumber, BF equivalent	23,691	18,118	41,809	9,970	51,780
GARAGE DOOR HEADERS					
Lumber, BF (Blt-up,Open Web & Flitch Pl'te)	3,535	2,575	6,110	1,081	7,192
Solid Sawn Beams, BF	68	0	68	0	68
Glulam, BF	259	264	523	26	548
I-Joists, LF	0	0	0	0	0
I-joists, BF equivalent	0	0	0	0	0
LVL, Cubic Feet	70	158	228	53	281
LVL, BF equivalent	1,117	2,532	3,649	845	4,494
Parallam™, Cubic Feet	89	62	151	40	191
Parallam™, BF equivalent	1,424	987	2,412	636	3,048
Timberstrand™, Cubic Feet	1	41	42	0	42
Timberstrand™, BF equivalent	15	654	670	0	670
Glued and Nailed Box Beams, BF Lumber	38	0	38	7	46
Total Lbr. & Eng. Lumber, BF equivalent	6,458	7,012	13,470	2,596	16,065
TOTAL WOOD USAGE IN WALL FRAMING (Excluding boards)					
Lumber Equivalent					
Lumber, BF	452,190	404,612	856,802	257,781	1,114,583
Glulam, BF	427	725	1,152	26	1,178
Timberstrand™, BF equivalent	293	2,748	3,041	1,465	4,506
I-joists, LF	16	12	27	0	27
I-joist, BF equivalent	31	24	55	0	55
LVL, Cubic Feet	179	223	403	124	526
LVL, BF equivalent	2,869	3,571	6,440	1,979	8,419
Parallam™, Cubic Feet	332	147	479	68	548
Parallam™, BF equivalent	5,318	2,352	7,670	1,095	8,765
Total Engineered Wood, BF Equivalent	8,938	9,420	18,358	4,564	22,922
Total Lbr. & Eng. Lumber, BF equivalent	461,128	414,032	875,159	262,345	1,137,505

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
WOOD USAGE IN ROOF FRAMING					
TRUSSES, RAFTERS AND CEILING JOISTS					
2 x 4s (Trusses), BF	152,020	195,251	347,271	68,879	416,150
2 x 6s (Rafters), BF	37,959	41	38,000	6,257	44,257
2 x 8s (Rafters), BF	71,873	78	71,952	11,843	83,794
2 x 10s (Rafters), BF	16,697	18	16,715	2,758	19,473
Turn Gables, 2 x 4s, BF	12,327	13,291	25,619	187	25,806
Dormers, 2 x 4s, BF	39,585	15,633	55,217	4,061	59,278
Soffit, 2 x 4s, BF	24,708	23,991	48,699	7,662	56,361
Fascia and Rakes, 2 x 6s, BF	16,072	12,352	28,424	3,528	31,952
Subtotal: Framing Lumber in Roofs	371,240	260,656	631,897	105,175	737,072
I-joists, LF	944	3,701	4,645	1,529	6,173
I-joist, BF equivalent	1,887	7,402	9,289	3,058	12,347
Total Lbr. & Eng. Lumber, BF equivalent	373,127	268,058	641,186	108,233	749,419
ROOF BEAMS (incl. Beam and Purlin Construction)					
Built-up Dimension Lumber, BF	4,631	318	4,950	2,679	7,629
Solid Sawn Beams, BF	45	148	193	58	251
Glulam, BF	0	604	604	0	604
LVL, Cubic Feet	108	18	127	39	165
LVL, BF equivalent	1,734	294	2,028	619	2,648
Timberstrand™, Cubic Feet	3	0	3	0	3
Timberstrand™, BF equivalent	40	6	46	0	46
Parallam™, Cubic Feet	100	7	106	3	109
Parallam™, BF equivalent	1,593	106	1,699	44	1,743
I-joists, LF	1	19	20	39	59
I-joist, BF equivalent	2	39	40	78	118
Total Lbr. & Eng. Lumber, BF equivalent	8,046	1,514	9,560	3,478	13,039
TOTAL WOOD USAGE IN ROOF FRAMING (Excluding boards)					
Lumber Equivalent					
Lumber, BF	375,917	261,122	637,039	107,913	744,952
Glulam, BF	0	604	604	0	604
I-joists, LF	944	3,720	4,665	1,568	6,232
I-joist, BF equivalent	1,889	7,440	9,329	3,136	12,465
LVL, Cubic Feet	108	18	127	39	165
LVL, BF equivalent	1,734	294	2,028	619	2,648
Timberstrand™, Cubic Feet	3	0	3	0	3
Timberstrand™, BF equivalent	40	6	46	0	46
Parallam™, Cubic Feet	100	7	106	3	109
Parallam™, BF equivalent	1,593	106	1,699	44	1,743
Total Engineered Wood, BF Equivalent	3,623	8,339	11,962	3,755	15,717
Total Lbr. & Eng. Lumber, BF equivalent	381,133	269,566	650,700	111,712	762,411

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
WOOD USAGE IN BEAMS & HEADERS					
Lumber Equivalent					
Lumber, BF	58,273	30,629	88,901	20,695	109,597
Solid Sawn Beams, BF	1,430	446	1,875	423	2,298
Glulam, BF	1,635	2,275	3,910	3,328	7,238
I-joists, LF	1,803	674	2,477	1,819	4,296
I-joists, BF equivalent	3,605	1,349	4,954	3,639	8,593
LVL, Cubic Feet	2,165	2,823	4,988	2,688	7,675
LVL, BF equivalent	34,633	45,167	79,800	43,003	122,803
Parallam™, Cubic Feet	1,638	1,153	2,791	762	3,553
Parallam™, BF equivalent	26,202	18,451	44,654	12,195	56,849
Timberstrand™, Cubic Feet	510	911	1,421	905	2,326
Timberstrand™, BF equivalent	8,153	14,582	22,735	14,486	37,221
Total Engineered Wood, BF Equivalent	74,228	81,824	156,052	76,651	232,703
Total Lbr. & Eng. Lumber, BF equivalent	133,931	112,898	246,829	97,769	344,599
Plywood - 3/8 inch basis	202	26	229	30	258

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
UNDERLAYMENT MATERIAL					
SF of Floor Area					
Lauan Plywood - 1/4"	8,098	352	8,451	2,897	11,348
OSB - 1/4"	0	0	0	0	0
OSB - 3/8"	1,424	1,550	2,974	0	2,974
OSB - 7/16" OR 1/2"	63	0	64	0	64
OSB - 5/8"	2,679	394	3,073	466	3,539
OSB - 3/4"	0	0	0	0	0
Plywood - 1/4"	7,034	1,487	8,521	2,709	11,230
Plywood - 3/8"	27,587	14,642	42,229	5,073	47,302
Plywood - 1/2"	2,115	1,294	3,409	0	3,409
Plywood - 5/8"	1,434	6	1,440	1,036	2,476
Plywood - 3/4"	931	4,066	4,997	581	5,578
Particleboard - 1/4"	5	554	559	0	559
Particleboard - 3/8"	36	3,732	3,769	1,986	5,754
Particleboard - 1/2"	1	90	91	2,369	2,461
Particleboard - 5/8"	0	0	0	0	0
Particleboard - 3/4"	0	0	0	0	0
Hardboard - 1/4"	1	79	80	0	80
Cementitious Board	2,700	213	2,913	1,176	4,089
Fiberbond	0	36	36	0	36
TOTAL	57,217	32,357	89,575	20,420	109,994
UNDERLAYMENT VOLUMES					
Plywood, SF 3/8" Basis	39,349	25,500	64,849	9,767	74,617
Lauan Plywood, SF 3/8" Basis	5,399	235	5,634	1,932	7,565
OSB, SF 3/8" Basis	5,969	2,207	8,176	776	8,952
Particleboard, SF 3/8" Basis	41	4,222	4,263	5,145	9,408
Hardboard, SF 3/8" Basis	1	53	53	0	53
Other	2,395	248	2,643	1,015	3,658
Total Panel Potential, 3/8" basis equiv	53,154	32,465	85,619	18,635	104,253

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
WOOD USAGE IN SHEATHING					
FLOOR SHEATHING					
SF of 1st & 2nd Story Floor Area					
None - Slab or Stress Skin Panel	4,990	855	5,845	5,630	11,475
Plywood - 1/2"	0	0	0	0	0
Plywood - 5/8"	90,165	20,622	110,787	20,049	130,837
Plywood - 3/4"	7,285	20,883	28,168	7,254	35,422
Plywood - 1 1/8"	0	0	0	0	0
OSB - 7/16" OR 1/2"	33	1,385	1,418	0	1,418
OSB - 5/8"	41,941	27,558	69,499	26,490	95,990
OSB - 3/4"	34,245	59,028	93,273	30,515	123,787
OSB - 7/8"	236	9,706	9,942	6,501	16,443
OSB - 1"	0	0	0	0	0
OSB - 1 1/8"	4	155	159	0	159
Boards - 1"	15	1	15	0	15
Boards - 2"	0	0	0	0	0
Other	1,945	11,745	13,690	0	13,690
TOTAL	180,857	151,938	332,796	96,440	429,236
FLOOR SHEATHING VOLUMES					
Plywood, SF 3/8" basis	164,845	76,137	240,981	47,924	288,906
OSB, SF 3/8" basis	138,996	188,945	327,941	120,350	448,291
Boards / other, 3/8" str'l pn'l basis equiv.	3,424	22,346	25,770	0	25,770
Total Panel Potential, 3/8" basis equiv	307,264	287,428	594,692	168,274	762,966

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
WALL SHEATHING					
SF of Exterior Wall					
None (Stress Skin Panel or Other)	23,596	2,305	25,902	2,094	27,996
Plywood - 3/8"	35,165	25,858	61,023	11,934	72,957
Plywood - 1/2"	7,499	26,546	34,046	5,301	39,347
Plywood - 5/8"	367	3,109	3,476	0	3,476
Plywood - 3/4"	4	471	475	0	475
OSB - 3/8"	6,079	169,464	175,543	60,991	236,534
OSB - 7/16" OR 1/2"	104,021	13,505	117,526	39,236	156,762
OSB - 5/8"	10,146	471	10,617	0	10,617
OSB - 3/4"	54	6,008	6,062	0	6,062
Fiberboard - 1/2"	10,938	0	10,938	890	11,828
Cementitious Board	0	0	0	0	0
Gypsum	7,371	1,137	8,508	2,709	11,218
Foil Faced 3-ply Kraft Paper - 1/8"	0	0	0	0	0
Boards - 1"	10,984	169	11,153	578	11,732
Foam	72,119	2,103	74,221	36,417	110,638
Other	12,613	90	12,703	0	12,703
TOTAL	300,957	251,238	552,194	160,152	712,346
WALL SHEATHING VOLUMES					
Plywood, SF 3/8" basis	45,785	67,377	113,162	19,003	132,164
OSB, SF 3/8" basis	161,791	200,273	362,064	113,306	475,370
Foam, SF 3/8" str'l panel basis equivalent	91,653	2,293	93,946	41,020	134,965
Boards / other, 3/8" str'l pn'l basis equiv.	53,257	1,523	54,780	4,706	59,486
Total Panel Potential, 3/8" basis equiv	352,485	271,465	623,951	178,034	801,985

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
ROOF SHEATHING					
SF of Roof Area					
None	0	0	0	0	0
Plywood - 3/8"	74,827	19,399	94,227	23,927	118,154
Plywood - 1/2"	103,181	36,341	139,522	16,947	156,469
Plywood - 5/8"	2,981	2,597	5,578	540	6,119
Plywood - 3/4"	4	376	379	961	1,340
OSB - 7/16" or 1/2"	107,099	137,448	244,547	61,289	305,836
OSB - 5/8"	8,305	824	9,129	9,230	18,359
OSB - 3/4"	1,245	87	1,333	0	1,333
Boards - 1" - no spacing	2,647	186	2,833	0	2,833
Boards - 1" - spaced	34	3,503	3,537	0	3,537
Boards - 2"	13	1,370	1,383	0	1,383
Other	1,074	31,066	32,140	1,843	33,983
TOTAL	301,411	233,197	534,608	114,737	649,345
ROOF SHEATHING VOLUMES					
Plywood, SF 3/8" Basis	217,378	72,933	290,311	49,345	339,656
OSB, SF 3/8" Basis	159,130	184,812	343,943	97,102	441,045
Boards / Other, 3/8" str'l pn'l basis equiv.	4,768	47,246	52,014	2,391	54,404
Total Panel Potential, 3/8" basis equiv	381,276	304,992	686,268	148,838	835,106

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
WOOD USAGE IN MILLWORK					
SIDING MATERIAL					
SF of Exterior Wall					
Plywood panels	189	579	768	0	768
Hardboard	15,925	5,797	21,722	2,760	24,482
Lumber	12,866	3,500	16,366	4,314	20,680
Cedar Shingles	3,899	7,502	11,401	1,080	12,482
OSB	8,604	3,466	12,070	1,963	14,033
Other wood	4,921	9,371	14,292	1,652	15,944
Brick	80,048	2,115	82,163	24,929	107,092
Natural Stone	6,814	2,481	9,295	2,329	11,623
Manufactured Stone	20,597	17,448	38,045	8,760	46,805
Concrete Stucco	5,505	39,659	45,164	5,665	50,829
Acrylic Stucco	1,495	2,768	4,262	1,271	5,534
Concrete block	224	47	271	339	610
Fiber Cement	10,976	22,702	33,678	9,051	42,729
Vinyl	87,428	108,621	196,049	32,285	228,333
Aluminum	6,942	1,394	8,336	923	9,259
Steel	604	0	604	0	604
Other	0	0	0	0	0
TOTAL	267,037	227,450	494,486	97,320	591,806
MILLWORK VOLUMES - Volumes as indicated					
SIDING VOLUMES					
Lumber, BF	18,527	5,040	23,567	6,212	29,779
Cedar Shakes and Shingles, BF	4,874	9,378	14,252	1,351	15,602
Plywood, SF 3/8" Basis	393	1,205	1,598	0	1,598
OSB, SF 3/8" Basis	15,488	6,238	21,726	3,533	25,259
Hardboard, SF 3/8" Basis	23,410	8,521	31,931	4,057	35,988
SOFFITS AND FASCIA - EAVES & RAKES					
Plywood, SF 3/8" Basis	0	10	10	2	13
MDF, SF 3/8" Basis	14	137	150	18	168
Lumber, BF	1,916	2,975	4,891	506	5,396
OSB, SF 3/8" Basis	0	47	47	0	47
ROOFING					
Cedar Shakes and Shingles, BF	3,061	9,638	12,699	4,478	17,178
EXTERIOR ORNAMENTAL TRIM					
Lumber, BF	1,868	8,927	10,795	2,156	12,952
Plywood, SF 3/8" Basis	0	1,193	1,193	32	1,225
MDF, 3/8" Basis	2,037	2,816	4,853	1,577	6,429
SHUTTERS					
Lumber, BF	63	347	410	81	491

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
EXTERIOR AND INTERIOR DOORS					
Lumber, BF	33,335	27,855	61,190	21,193	82,383
Plywood, SF 3/8" Basis	12	21	33	4	37
Hardboard, SF 3/8" Basis	11,408	9,590	20,998	7,944	28,941
Hardwood Plywood (Incl. Lauan), SF 3/8" Ba	19	196	215	78	293
Particleboard, SF 3/8" Basis	2,810	1,709	4,520	218	4,738
WINDOWS					
Lumber, BF	2,993	1,990	4,983	1,081	6,064
GARAGE DOORS & FRAMING					
Lumber, BF	3,183	2,631	5,813	1,084	6,897
Hardboard, SF 3/8" Basis	62	24	85	0	86
MOULDINGS					
Linear Feet Wood Moulding					
Base	54,481	46,672	101,153	34,110	135,263
Case	41,838	33,218	75,056	23,873	98,930
Other	4,020	3,410	7,430	2,390	9,820
TOTAL	100,339	83,300	183,640	60,373	244,013
MOULDINGS VOLUMES (based on 97 data)					
Volume measures as indicated					
Softwood Lumber, BF	na	na	na	na	na
Hardwood Lumber, BF	na	na	na	na	na
MDF, SF 3/8" Basis	na	na	na	na	na
CLOSET SHELVING (based on 97 data)					
Lumber, BF	na	na	na	na	na
Plywood, SF 3/8" Basis	na	na	na	na	na
Particleboard / MDF, SF 3/8" Basis	na	na	na	na	na
KITCHEN AND VANITY CABINETS					
Lumber - Softwood, BF	869	1,056	1,925	472	2,397
Lumber - Hardwood, BF	8,609	7,880	16,489	6,634	23,122
Plywood - Hardwood (Incl. Lauan), SF 3/8" E	2,552	3,084	5,636	1,658	7,293
Hardboard, SF 3/8" Basis	188	89	277	120	396
Particleboard / MDF, SF 3/8" Basis	61,055	47,961	109,016	39,552	148,568
KITCHEN CABINETS -- TYPE OF DOOR					
Number of Cabinets					
Wood finish, raised panel in frame	790	630	1,420	562	1,982
Wood finish, flat panel in frame	225	323	548	233	782
Glass panel in wood frame	26	23	49	14	62
Laminate with raised panel look	147	55	202	58	260
Wood finish, flat panel with no frame	95	44	139	60	199
Laminate finish, flat panel with no frame	127	34	161	38	199
Other	0	10	10	14	25
TOTAL	1,410	1,119	2,528	980	3,508

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
VANITY CABINETS -- TYPE OF DOOR					
Number of Cabinets					
Wood finish, raised panel in frame	122	112	235	77	312
Wood finish, flat panel in frame	39	60	99	37	136
Glass panel in wood frame	5	4	9	3	11
Laminate with raised panel look	15	10	24	8	32
Wood finish, flat panel with no frame	14	7	21	6	27
Laminate finish, flat panel with no frame	22	5	28	3	31
Other	0	2	2	2	4
TOTAL	217	200	416	136	552
ALL CABINETS -- TYPE OF DOOR					
Number of Cabinets					
Wood finish, raised panel in frame	963	793	1,756	713	2,469
Wood finish, flat panel in frame	277	414	691	306	998
Glass panel in wood frame	32	32	64	19	83
Laminate with raised panel look	163	78	241	72	313
Wood finish, flat panel with no frame	113	53	166	72	238
Laminate finish, flat panel with no frame	151	40	191	44	235
Other	1	12	13	19	31
TOTAL	1,699	1,423	3,122	1,245	4,367
KITCHEN CABINETS -- TYPE OF CABINET FRAME					
Number of Cabinets					
Frameless (European style)	750	852	1,602	550	2,152
Face-framed (traditional)	660	267	926	430	1,356
Other	0	0	0	0	0
TOTAL	1,410	1,119	2,528	980	3,508
VANITY CABINETS -- TYPE OF CABINET FRAME					
Number of Cabinets					
Frameless (European style)	115	152	267	76	344
Face-framed (traditional)	101	48	149	60	209
Other	0	0	0	0	0
TOTAL	217	200	416	136	552
ALL CABINETS -- TYPE OF CABINET FRAME					
Number of Cabinets					
Frameless (European style)	904	1,084	1,988	698	2,687
Face-framed (traditional)	795	339	1,134	546	1,681
Other	0	0	0	0	0
TOTAL	1,699	1,423	3,122	1,245	4,367
TYPE OF CABINET BOX					
Number of Cabinets					
Solid wood	1,283	932	2,215	972	3,187
Wood veneer on particleboard/MDF	89	93	181	76	257
Plastic/Paper overlay/laminate on particleboard	284	337	621	178	799
Plywood	42	58	100	19	119
Other	2	3	5	0	5
TOTAL	1,699	1,423	3,122	1,245	4,367
COUNTERTOPS					
Plywood, SF 3/8" Basis	2,406	2,105	4,511	1,340	5,851
Particleboard / MDF, SF 3/8" Basis	4,967	2,986	7,953	2,816	10,769
Lumber - Hardwood, BF	0	0	0	0	0

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
FINISHED WOOD FLOORING					
Lumber - Hardwood, BF	80,044	56,609	136,653	31,918	168,572
Lumber - Softwood, BF	0	0	0	0	0
FINISH FLOORING					
SF of Flooring					
Wall to wall carpet	55,088	69,435	124,524	40,321	164,845
Hardwood (solid)	37,215	28,208	65,423	12,763	78,187
Hardwood (engineered)	8,093	3,835	11,927	5,304	17,231
Vinyl sheet	8,978	5,748	14,726	8,046	22,772
Vinyl tile	78	87	165	0	165
Laminate	3,988	3,352	7,340	4,119	11,460
Ceramic tile	54,278	19,862	74,140	18,151	92,292
Slate	118	1,215	1,333	406	1,739
Marble	239	0	239	41	280
Other	1,570	2,426	3,996	1,291	5,287
TOTAL	169,646	134,169	303,815	90,442	394,256
INTERIOR WALL AND CEILING FINISHES					
Lumber, BF	2,876	1,304	4,180	11,494	15,674
Hardboard, SF 3/8" Basis	39	0	39	0	39
Plywood-Hardwood, SF 3/8" Basis	0	2,008	2,008	0	2,008
STAIRS AND RAILINGS					
Lumber - Softwood, BF	7,456	5,576	13,032	8,942	21,974
Lumber - Hardwood, BF	4,857	1,071	5,927	5,387	11,314
Plywood, SF 3/8" Basis	1,578	4,918	6,496	4,503	10,999
OSB, SF 3/8" Basis	430	1,481	1,911	2,200	4,111
Particleboard / MDF, SF 3/8" Basis	795	53	848	160	1,008
MANTELS					
Lumber - Softwood, BF	na	na	na	na	na
Lumber - Hardwood, BF	na	na	na	na	na

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
<i>All Data in Thousands</i>					
WOOD USAGE IN OUTDOOR STRUCTURES					
DECKS					
Lumber - Regular, BF					
Boards	776	2,584	3,360	0	3,360
Lumber - Treated, BF					
2x4s	6,235	11,730	17,965	0	17,965
2x6s	3,276	6,163	9,438	0	9,438
2x8s	4,004	7,532	11,536	0	11,536
2x10s	5,460	10,271	15,730	0	15,730
2x12s	1,820	3,424	5,243	0	5,243
Boards	4,935	5,397	10,332	0	10,332
Support Posts	1,118	1,870	2,988	0	2,988
Subtotal - Lumber, BF	776	2,584	3,360	0	3,360
Subtotal - Treated Lumber, BF	26,847	46,385	73,232	0	73,232
Total, BF	27,623	48,969	76,592	0	76,592
Deck Surfaces					
Lumber - Regular, BF	776	2,584	3,360	0	3,360
Lumber - Treated, BF	4,935	5,397	10,332	0	10,332
PVC / Vinyl / Fiberglass, BF	98	2,086	2,183	0	2,183
Wood / Plastic composite, BF	162	1,166	1,328	0	1,328
Total Deck Surface Material, BF	5,970	11,232	17,203	0	17,203
PORCHES					
Lumber - Regular, BF					
2x4s (Porch Roofs & Breezeways)	5,503	4,185	9,688	1,314	11,002
2x8s (Porch Floors & Breezeways)	6,508	4,113	10,620	2,291	12,912
Posts	2,713	2,331	5,044	0	5,044
Boards	1,050	1,332	2,383	533	2,916
Lumber - Treated, BF					
Boards	2,450	702	3,152	679	3,831
Subtotal - Lumber, BF	15,773	11,961	27,735	4,139	31,874
Subtotal - Treated Lumber, BF	2,450	702	3,152	679	3,831
Total, BF	18,224	12,663	30,887	4,818	35,705
Porch Surfaces					
Lumber - Regular, BF	1,050	1,332	2,383	533	2,916
Lumber - Treated, BF	2,450	702	3,152	679	3,831
Plastic and Composites, BF	181	672	852	0	852
Concrete / Brick / Stone / Tiles, BF	2,109	1,769	3,878	0	3,878
Total Porch Surface Material, BF	5,790	4,475	10,265	1,212	11,477
FENCES AND LANDSCAPE WALLS					
Lumber - Treated, BF	2,636	4,874	7,510	902	8,413
FENCING TYPE / MATERIAL					
Wood -- vert boards on alt sides, BF	1,928	1,535	3,464	563	4,026
Wood -- vert boards on one side, BF	243	2,858	3,101	339	3,441
Wood w/ horiz rails / boards, BF	0	3	3	0	3
Metal, BF equivalent	1,263	1,164	2,427	141	2,567
WPC, Vinyl, PVC, or other plast, BF equivalent	6	54	60	216	276
Stucco on wood frame, BF equivalent	0	4	4	1,039	1,043
Stone (natural or synthetic), BF equivalent	86	220	306	0	306
Brick, BF equivalent	0	0	0	0	0
Concrete (all types), BF equivalent	0	263	263	0	263
LANDSCAPE-RETAINING WALL TYPE / MATERIAL					
Wood timbers, BF	462	463	924	0	924
Stucco on wood frame, BF	3	15	18	0	18
Stone (natural or synthetic), BF equivalent	3,175	4,918	8,093	0	8,093
Brick, BF equivalent	0	0	0	0	0
Concrete (all types), BF equivalent	1,555	4,044	5,599	0	5,599

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
FOUNDATION					
BASEMENT WALL MATERIAL					
Linear Feet of Foundation Wall					
Poured concrete	93.90%	97.55%	95.49%	90.61%	93.87%
Concrete block	1.77%	0.03%	1.01%	0.00%	0.67%
Precast concrete	0.54%	0.01%	0.31%	0.00%	0.21%
Insulated concrete forming systems	2.25%	1.53%	1.93%	9.39%	4.41%
Pressure treated wood	0.06%	0.00%	0.03%	0.00%	0.02%
Other	1.49%	0.89%	1.23%	0.00%	0.82%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
CRAWL SPACE WALL MATERIAL					
Linear Feet of Foundation Wall					
Poured concrete	86.53%	76.87%	79.07%	52.62%	67.08%
Concrete block	11.11%	0.29%	2.76%	0.00%	1.51%
Precast concrete	1.10%	0.03%	0.28%	0.00%	0.15%
Insulated concrete forming systems	1.26%	22.81%	17.90%	47.37%	31.26%
Pressure treated wood	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
STRUCTURAL SYSTEMS: FLOORS					
STRUCTURAL FLOOR MATERIAL - ALL FLOORS					
Square Feet of Floor					
Cast-in-place concrete	2.95%	0.60%	1.88%	3.65%	2.54%
Precast concrete	0.00%	0.00%	0.00%	2.57%	0.95%
Steel (all types)	0.20%	0.17%	0.19%	0.07%	0.14%
Lumber joists	49.71%	14.96%	33.86%	25.90%	30.91%
Wood I-joists	31.84%	80.87%	54.20%	63.81%	57.77%
Open web wood truss	13.39%	3.40%	8.83%	4.00%	7.04%
Structural insulated panels	0.00%	0.00%	0.00%	0.00%	0.00%
Other wood	1.91%	0.00%	1.04%	0.00%	0.65%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
STRUCTURAL FLOOR MATERIAL - GROUND FLOOR					
Square Feet of Floor					
Cast-in-place concrete	3.83%	0.91%	2.57%	5.88%	3.69%
Precast concrete	0.00%	0.00%	0.00%	1.44%	0.49%
Steel (all types)	0.24%	0.25%	0.25%	0.11%	0.20%
Lumber joists	50.35%	12.72%	34.16%	27.17%	31.81%
Wood I-joists	30.57%	82.79%	53.03%	60.95%	55.70%
Open web wood truss	12.41%	3.33%	8.50%	4.44%	7.14%
Structural insulated panels	0.00%	0.00%	0.00%	0.00%	0.00%
Other wood	2.60%	0.00%	1.48%	0.00%	0.98%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
STRUCTURAL FLOOR MATERIAL - UPPER FLOORS					
Square Feet of Floor					
Cast-in-place concrete	0.47%	0.00%	0.23%	0.26%	0.24%
Precast concrete	0.00%	0.00%	0.00%	4.28%	1.89%
Steel (all types)	0.09%	0.00%	0.04%	0.00%	0.02%
Lumber joists	47.92%	19.38%	33.15%	23.95%	29.10%
Wood I-joists	35.39%	77.08%	56.97%	68.18%	61.90%
Open web wood truss	16.13%	3.55%	9.62%	3.33%	6.85%
Structural insulated panels	0.00%	0.00%	0.00%	0.00%	0.00%
Other wood	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
SPECIES OF LUMBER JOISTS					
Square Feet of 1st & 2nd Story Area					
Southern yellow pine (SYP)	22.11%	1.70%	18.00%	0.00%	12.40%
Douglas fir or hem fir	1.71%	19.84%	5.37%	12.14%	7.47%
Spruce / Pine / Fir (SPF) or eastern spruce	76.17%	78.46%	76.64%	87.86%	80.13%
Other	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
STRUCTURAL SYSTEMS: WALLS					
EXTERIOR WALL MATERIAL - ALL FLOORS					
Linear Feet of Exterior Wall					
Wood	89.91%	98.71%	93.97%	96.78%	95.07%
Masonry	7.61%	1.29%	4.69%	2.35%	3.77%
Steel	2.48%	0.00%	1.34%	0.87%	1.15%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
SPECIES OF LIGHT FRAME EXTERIOR WALL					
Linear Feet Light Frame Exterior Wall					
Lamin. strand lumber (Timberstrand)	0.22%	2.17%	1.16%	1.82%	1.43%
Finger-jointed (any species)	1.05%	12.32%	6.50%	0.16%	3.99%
Southern yellow pine (SYP)	0.00%	0.00%	0.00%	0.00%	0.00%
Douglas fir, hem-fir	1.05%	2.18%	1.60%	2.86%	2.10%
Spruce / Pine / Fir (SPF) or eastern spruce	78.48%	79.61%	79.03%	92.16%	84.23%
Other	0.37%	1.34%	0.84%	0.00%	0.51%
Don't know	18.82%	2.38%	10.87%	3.00%	7.75%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
STRUCTURAL SYSTEMS: ROOF FRAMING					
ROOF FRAME MATERIAL					
Square Feet of Roof Footprint					
Lumber	99.19%	96.07%	97.80%	96.51%	97.42%
I-joists	0.81%	3.93%	2.20%	3.49%	2.58%
Steel	0.00%	0.00%	0.00%	0.00%	0.00%
Structural insulated panels	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
SPECIES OF ROOF TRUSSES					
Square Feet of Roof Footprint					
Southern yellow pine	5.18%	2.06%	4.94%	0.00%	3.60%
Douglas fir or hem-fir	8.09%	24.90%	9.37%	3.01%	7.64%
Spruce / Pine / Fir	84.71%	71.91%	83.73%	96.99%	87.32%
Other	0.00%	0.23%	0.02%	0.00%	0.01%
Don't know	2.03%	0.90%	1.94%	0.00%	1.41%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
SPECIES OF ROOF RAFTER					
Square Feet of Roof Footprint					
Southern yellow pine	19.15%	0.49%	9.39%	0.00%	6.59%
Douglas fir or hem-fir	0.36%	4.26%	2.40%	1.71%	2.19%
Spruce / Pine / Fir	78.30%	94.14%	86.59%	96.50%	89.55%
Other	0.00%	0.00%	0.00%	1.80%	0.54%
Don't know	2.18%	1.11%	1.62%	0.00%	1.14%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
BEAMS					
FLOOR & ROOF BEAMS -- ALL FLOORS					
Linear Feet of Beam					
Built-up dimension lumber	33.57%	25.03%	30.52%	18.02%	24.87%
Solid wood beams	0.56%	0.92%	0.69%	0.15%	0.45%
Glulam	0.80%	1.75%	1.14%	3.45%	2.18%
LVL	18.91%	39.95%	26.44%	36.22%	30.86%
Timberstrand	1.73%	7.28%	3.71%	6.88%	5.15%
Parallam	12.52%	15.93%	13.74%	9.64%	11.89%
Steel	11.22%	1.96%	7.91%	13.36%	10.37%
Open web joist	11.66%	2.69%	8.45%	2.67%	5.84%
Girder truss	3.69%	0.33%	2.49%	1.04%	1.84%
I-joist	5.31%	3.54%	4.68%	8.55%	6.43%
Other	0.03%	0.64%	0.25%	0.00%	0.13%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
RIM BOARD FOR WOODEN I-JOISTS					
Linear Feet of Exterior Wall					
Timberstrand	38.79%	23.41%	28.75%	36.49%	32.58%
Plywood	4.42%	15.29%	11.52%	0.13%	5.89%
OSB	16.16%	43.17%	33.80%	27.83%	30.85%
Dimension lumber	25.71%	0.91%	9.51%	10.01%	9.76%
LVL	6.72%	12.84%	10.72%	9.89%	10.31%
Wooden I-joist with blocking	5.84%	3.04%	4.01%	15.65%	9.77%
Re-sawn glulam	2.34%	1.34%	1.69%	0.00%	0.85%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
HEADERS					
WINDOW, DOOR AND GARAGE DOOR HEADERS					
Linear Feet of Headers					
Built-up dimension lumber	66.05%	69.74%	67.68%	70.82%	68.70%
Solid wood beams	3.27%	0.23%	1.93%	3.11%	2.31%
Glulam	0.88%	2.02%	1.38%	0.11%	0.97%
Wood I-joists -- single	0.09%	0.00%	0.05%	0.00%	0.03%
Wood I-joists -- doubled	0.05%	0.09%	0.07%	0.00%	0.04%
LVL -- single	1.21%	1.21%	1.21%	0.84%	1.09%
LVL -- doubled	7.31%	10.04%	8.52%	12.35%	9.76%
Parallam	15.00%	7.88%	11.85%	6.44%	10.10%
Concrete	0.00%	1.23%	0.55%	1.92%	0.99%
Steel	2.86%	0.31%	1.73%	0.90%	1.46%
Timberstrand	0.48%	5.46%	2.68%	1.04%	2.15%
Glued & nailed box	0.65%	0.29%	0.49%	0.11%	0.37%
Wood truss	1.68%	1.05%	1.40%	2.36%	1.71%
Fitch plate beams	0.47%	0.45%	0.46%	0.00%	0.31%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
SHEATHING: FLOOR					
FLOOR SHEATHING - ALL FLOORS - WASTE INCLUDED					
Square Feet of All Floors					
None - slab or SIPs	2.76%	0.56%	1.76%	5.84%	3.27%
Plywood	53.88%	27.32%	41.75%	28.31%	36.77%
OSB	42.28%	64.39%	52.37%	65.85%	57.37%
1x boards	0.01%	0.00%	0.00%	0.00%	0.00%
2x boards	0.00%	0.00%	0.00%	0.00%	0.00%
Other	1.08%	7.73%	4.11%	0.00%	2.59%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
SHEATHING: WALL					
WALL SHEATHING - WASTE INCLUDED					
Square Feet of Exterior Wall					
None (SIPs or other)	7.84%	0.92%	4.69%	1.31%	3.44%
Plywood	14.30%	22.28%	17.93%	10.76%	15.27%
OSB	39.97%	75.41%	56.09%	62.58%	58.50%
XPS	12.73%	0.63%	7.23%	13.96%	9.72%
EPS	3.28%	0.20%	1.88%	0.00%	1.18%
ISO	7.95%	0.00%	4.34%	8.78%	5.98%
1/2 inch fiberboard	3.63%	0.00%	1.98%	0.56%	1.45%
Cementitious board	0.00%	0.00%	0.00%	0.00%	0.00%
Fiber cement	0.00%	0.00%	0.00%	0.00%	0.00%
Gypsum	2.45%	0.45%	1.54%	1.69%	1.60%
1/8 inch foil faced (Thermoply, EnergyBrace)	0.00%	0.00%	0.00%	0.00%	0.00%
1 inch boards	3.65%	0.07%	2.02%	0.36%	1.40%
Other	4.19%	0.04%	2.30%	0.00%	1.45%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
SHEATHING: ROOF					
ROOF SHEATHING - WASTE INCLUDED					
Square Feet of Sheathing					
None (SIPs or other)	0.00%	0.00%	0.00%	0.00%	0.00%
Plywood	60.05%	25.18%	44.84%	36.93%	42.44%
OSB	38.70%	59.33%	47.70%	61.46%	51.88%
1 inch boards (3/4 inch actual), no spacing	0.88%	0.08%	0.53%	0.00%	0.37%
1 inch boards (3/4 inch actual), spaced	0.01%	1.50%	0.66%	0.00%	0.46%
2 inch boards (1 1/2 inch actual -- including	0.00%	0.59%	0.26%	0.00%	0.18%
Other	0.36%	13.32%	6.01%	1.61%	4.67%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
UNDERLAYMENT					
UNDERLAYMENT MATERIAL					
Square Feet of Floor Area					
Luan plywood	14.15%	1.09%	9.43%	14.19%	10.94%
OSB	7.28%	6.01%	6.82%	2.28%	5.38%
Plywood	68.34%	66.43%	67.65%	46.03%	60.81%
Particleboard	0.07%	13.53%	4.93%	21.33%	10.12%
1/4 inch hardboard	0.00%	0.25%	0.09%	0.00%	0.06%
Cementitious board	4.72%	0.66%	3.25%	5.76%	4.05%
Gypsum Panel	0.00%	0.11%	0.04%	0.00%	0.03%
Poured lightweight concrete	5.20%	10.31%	7.04%	10.41%	8.11%
Other	0.23%	1.63%	0.74%	0.00%	0.50%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
STAIRWAYS					
STAIRS AND RAILINGS					
Lumber - Softwood	49.23%	42.26%	45.99%	41.82%	44.19%
Lumber - Hardwood	32.07%	8.11%	20.91%	25.19%	22.75%
Plywood	10.42%	37.28%	22.92%	21.06%	22.12%
OSB, SF	2.84%	11.22%	6.74%	10.29%	8.27%
Particleboard / MDF	5.25%	0.40%	2.99%	0.75%	2.03%
LVL	0.00%	0.00%	0.00%	0.00%	0.00%
Metal or other	0.19%	0.73%	0.44%	0.89%	0.63%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
FIREPLACES AND MANTELS					
MANTELS					
Number of Mantels					
Wood - with side pilasters	na	na	na	na	na
Wood - a board on brackets	na	na	na	na	na
Brick with wood plank	na	na	na	na	na
Brick - no wood	na	na	na	na	na
Other	na	na	na	na	na
None	na	na	na	na	na
TOTAL	na	na	na	na	na
WINDOWS					
WINDOW FRAME MATERIAL BY UNIT					
Window Units					
Wood (no cladding)	0.19%	2.82%	1.31%	2.02%	1.53%
Wood, aluminum clad	4.34%	7.37%	5.63%	3.22%	4.90%
Wood, vinyl clad	9.08%	2.02%	6.07%	7.80%	6.60%
Aluminum	1.59%	3.98%	2.61%	4.23%	3.11%
Vinyl	81.60%	83.80%	82.54%	80.95%	82.05%
Composite	0.35%	0.00%	0.20%	0.00%	0.14%
Other	2.85%	0.00%	1.64%	1.77%	1.68%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
EXTERIOR DOORS					
EXTERIOR DOOR MATERIAL					
Number of Doors					
Solid wood -- raised panel	1.72%	5.53%	3.32%	6.30%	4.46%
Wood -- flush	0.31%	0.74%	0.49%	0.20%	0.38%
Steel -- raised panel	87.05%	62.50%	76.78%	60.44%	70.53%
Steel -- flush	2.33%	3.99%	3.03%	9.63%	5.55%
Fiberglass	8.58%	27.23%	16.38%	23.44%	19.08%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
PATIO DOORS					
PATIO DOOR MATERIAL					
Number of Doors					
Wood	5.64%	11.32%	8.39%	3.14%	6.54%
Aluminum clad wood	9.37%	25.83%	17.34%	4.23%	12.71%
Vinyl clad wood	18.48%	1.08%	10.06%	21.39%	14.06%
Steel	6.85%	9.98%	8.37%	1.07%	5.79%
Aluminum	7.59%	14.13%	10.75%	0.31%	7.07%
Vinyl	44.67%	36.09%	40.52%	69.86%	50.87%
Composite/Fiberglass	5.61%	1.58%	3.66%	0.00%	2.37%
Other	1.77%	0.00%	0.92%	0.00%	0.59%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
INTERIOR DOORS					
INTERIOR DOOR MATERIAL					
Number of Doors					
Solid wood panel	1.94%	5.16%	3.43%	3.89%	3.63%
Solid wood with louvers	0.68%	0.08%	0.40%	0.34%	0.38%
Solid wood with glass unit(s)	1.74%	0.96%	1.38%	0.41%	0.96%
Hardboard panel	84.03%	84.12%	84.07%	85.01%	84.48%
Hardboard flush, hollow core	5.16%	3.51%	4.40%	5.08%	4.69%
Particleboard / MDF, solid core	5.47%	3.76%	4.68%	0.58%	2.92%
Plywood flush, hollow core	0.14%	1.71%	0.86%	0.84%	0.86%
Mirror on steel frame	0.84%	0.69%	0.77%	3.85%	2.09%
Steel (no mirror)	0.00%	0.00%	0.00%	0.00%	0.00%
Hardboard panel on steel frame	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
GARAGE DOORS					
GARAGE DOOR MATERIAL					
Number of Garage Doors					
Steel	85.43%	77.02%	81.90%	93.98%	85.77%
Wood	7.75%	6.71%	7.31%	0.23%	5.04%
Fiberglass or Plastic	4.55%	15.72%	9.23%	0.47%	6.42%
Other	2.28%	0.55%	1.55%	5.32%	2.76%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
INTERIOR FINISHES					
INTERIOR WALL FINISH					
Square Feet of Wall					
Plywood paneling -- 1/4	0.00%	0.69%	0.33%	0.00%	0.19%
Hardboard paneling -- 1/4	0.00%	0.00%	0.00%	0.00%	0.00%
Gypsum drywall -- 3/8	1.86%	0.20%	1.06%	0.41%	0.79%
Gypsum drywall -- 1/2	96.26%	95.98%	96.13%	86.25%	92.05%
Cement board	0.23%	0.01%	0.13%	0.38%	0.23%
Gypsum drywall -- 5/8	1.19%	2.34%	1.74%	10.60%	5.40%
Gypsum drywall -- 3/4	0.03%	0.00%	0.02%	0.00%	0.01%
Lumber / Boards or shingles	0.17%	0.18%	0.17%	2.23%	1.02%
Other	0.25%	0.60%	0.42%	0.13%	0.30%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
INTERIOR CEILING FINISH					
Square Feet of Ceiling					
Plywood paneling -- 1/4	0.00%	0.00%	0.00%	0.00%	0.00%
Hardboard paneling -- 1/4	0.03%	0.00%	0.02%	0.00%	0.01%
Gypsum drywall -- 3/8	0.37%	0.18%	0.28%	0.36%	0.31%
Gypsum drywall -- 1/2	80.04%	64.69%	73.10%	71.30%	72.43%
Cement board	0.00%	0.00%	0.00%	0.00%	0.00%
Gypsum drywall -- 5/8	18.36%	34.92%	25.85%	25.61%	25.76%
Gypsum drywall -- 3/4	0.00%	0.00%	0.00%	0.00%	0.00%
Lumber / Boards or shingles	0.85%	0.22%	0.57%	2.74%	1.37%
Acoustical ceiling tiles	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.35%	0.00%	0.19%	0.00%	0.12%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
FLOORING					
ALL FINISH FLOORING (Excludes Basements)					
Square Feet of Finished Floor Area					
Carpet	32.47%	51.75%	40.99%	44.58%	42.34%
Hardwood (solid)	21.94%	21.02%	21.53%	14.11%	18.74%
Ceramic tile	31.99%	14.80%	24.40%	20.07%	22.77%
Vinyl sheet	5.29%	4.28%	4.85%	8.90%	6.37%
Vinyl tile	0.05%	0.06%	0.05%	0.00%	0.03%
Hardwood (engineered)	4.77%	2.86%	3.93%	5.86%	4.66%
Laminate	2.35%	2.50%	2.42%	4.55%	3.22%
Slate	0.07%	0.91%	0.44%	0.45%	0.44%
Marble	0.14%	0.00%	0.08%	0.04%	0.07%
Other	0.93%	1.81%	1.32%	1.43%	1.36%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
CABINETS					
CABINET DOOR TYPE					
Number of Cabinets					
Wood finish, raised panel in frame	56.67%	55.75%	56.25%	57.28%	56.71%
Wood finish, flat panel in frame	16.30%	29.12%	22.15%	24.61%	23.25%
Glass panel in wood frame	1.89%	2.24%	2.05%	1.52%	1.81%
Laminate with raised panel look	9.58%	5.49%	7.71%	5.79%	6.85%
Wood finish, flat panel with no frame	6.63%	3.75%	5.32%	5.78%	5.52%
Laminate finish, flat panel with no frame	8.90%	2.80%	6.12%	3.53%	4.96%
Other	0.03%	0.85%	0.40%	1.49%	0.89%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
CABINET FRAME TYPE					
Number of Cabinets					
Frameless (European style)	53.21%	76.17%	63.68%	56.11%	60.49%
Face-framed (traditional)	46.79%	23.83%	36.32%	43.89%	39.51%
Other	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
CABINET BOX TYPE					
Number of Cabinets					
Wood veneer on particleboard / MDF	75.49%	65.51%	70.94%	78.07%	73.94%
Solid wood	5.22%	6.51%	5.80%	6.10%	5.93%
Plastic / Paper overlay / laminate on particle	16.70%	23.70%	19.89%	14.33%	17.55%
Plywood	2.45%	4.10%	3.20%	1.50%	2.49%
Other	0.14%	0.18%	0.16%	0.00%	0.09%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
COUNTERTOPS					
KITCHEN COUNTERTOP MATERIAL					
Linear Feet					
Solid Surface	5.05%	3.34%	4.32%	1.01%	2.89%
Laminate	74.49%	57.34%	67.19%	67.16%	67.18%
Ceramic Tile	0.47%	7.77%	3.57%	0.05%	2.05%
Cultured Marble	0.85%	1.46%	1.11%	1.31%	1.20%
Wood (butcher block)	0.10%	0.00%	0.06%	0.00%	0.03%
Marble, stone, and other	10.62%	0.70%	6.40%	11.13%	8.44%
Granite	8.42%	29.38%	17.34%	19.34%	18.20%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
VANITY COUNTERTOP MATERIAL					
Linear Feet					
Solid Surface	3.82%	5.64%	4.65%	0.09%	3.04%
Laminate	78.36%	63.06%	71.38%	82.68%	75.36%
Ceramic Tile	0.27%	6.44%	3.09%	0.10%	2.03%
Cultured Marble	9.65%	4.04%	7.09%	7.98%	7.40%
Wood (butcher block)	0.00%	0.00%	0.00%	0.00%	0.00%
Marble, stone, and other	7.89%	20.83%	13.80%	9.15%	12.16%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
ROOFING					
ROOFING MATERIAL (WITH WASTE FACTORS)					
Square Feet of Roofing					
Asphalt -- standard 3-tab	63.91%	37.34%	52.36%	43.83%	49.84%
Asphalt -- architectural grade	31.82%	53.64%	41.31%	37.33%	40.13%
Cedar shingles	0.91%	3.57%	2.06%	2.47%	2.18%
Cedar shakes	0.14%	0.70%	0.39%	1.50%	0.72%
Aluminum	0.05%	0.61%	0.30%	0.00%	0.21%
Clay roof tiles	0.28%	0.63%	0.43%	0.08%	0.33%
Concrete roof tiles	0.01%	1.92%	0.84%	5.18%	2.12%
Fiber cement	0.94%	0.01%	0.54%	4.50%	1.71%
Slate	0.00%	0.00%	0.00%	0.00%	0.00%
Copper	0.02%	0.20%	0.10%	0.00%	0.07%
Steel	1.79%	0.82%	1.37%	1.14%	1.30%
Built-up asphalt	0.11%	0.04%	0.08%	1.30%	0.44%
Single-ply (EPDM, vinyl, modified bitumen)	0.00%	0.53%	0.23%	2.78%	0.98%
TOTAL	100.00%	100.00%	100.00%	100.11%	100.03%
SIDING					
SIDING MATERIAL (WITH WASTE FACTORS)					
Square Feet of Siding					
Plywood Panels	0.07%	0.25%	0.16%	0.00%	0.11%
Hardboard	5.96%	2.55%	4.39%	2.84%	3.95%
Lumber	4.82%	1.54%	3.31%	4.43%	3.63%
Cedar Shingles	1.46%	3.30%	2.31%	1.11%	1.96%
OSB	3.22%	1.52%	2.44%	2.02%	2.32%
Other wood	1.84%	4.12%	2.89%	1.70%	2.55%
Brick	29.98%	0.93%	16.62%	25.62%	19.19%
Natural Stone	2.55%	1.09%	1.88%	2.39%	2.03%
Manufactured Stone	7.71%	7.67%	7.69%	9.00%	8.07%
Cement Stucco	2.06%	17.44%	9.13%	5.82%	8.19%
Synthetic Stucco	0.56%	1.22%	0.86%	1.31%	0.99%
Concrete block	0.08%	0.02%	0.05%	0.35%	0.14%
Fiber Cement	4.11%	9.98%	6.81%	9.30%	7.52%
Vinyl	32.74%	47.76%	39.65%	33.17%	37.80%
Aluminum	2.60%	0.61%	1.69%	0.95%	1.48%
Steel	0.23%	0.00%	0.12%	0.00%	0.09%
Other Metal & Plastic	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
SOFFIT & FASCIA MATERIAL					
SOFFIT MATERIAL: EAVES					
Square Feet of Soffit					
Plywood / LVL	0.00%	0.04%	0.02%	0.03%	0.02%
Hardboard or MDF	0.00%	0.00%	0.00%	0.00%	0.00%
Solid wood / Lumber	3.84%	4.90%	4.36%	1.43%	3.65%
OSB	0.00%	0.19%	0.09%	0.00%	0.07%
Vinyl	6.92%	15.91%	11.35%	1.32%	8.92%
Aluminum	84.87%	65.32%	75.24%	82.87%	77.09%
Steel	0.00%	0.00%	0.00%	0.00%	0.00%
Other material	4.37%	13.65%	8.94%	14.36%	10.25%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
FASCIA MATERIAL: EAVES					
Linear Feet of Fascia					
Plywood / LVL	0.00%	0.00%	0.00%	0.00%	0.00%
Hardboard / MDF	0.05%	0.60%	0.29%	0.28%	0.29%
Solid wood / Lumber	5.74%	14.12%	9.38%	11.08%	9.73%
OSB	0.00%	0.00%	0.00%	0.00%	0.00%
Vinyl (wrap)	0.30%	0.05%	0.19%	0.00%	0.15%
Aluminum (wrap)	91.59%	71.28%	82.76%	84.39%	83.09%
Steel	0.04%	0.54%	0.26%	0.00%	0.21%
Other material	2.28%	13.40%	7.12%	4.25%	6.54%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
SHUTTERS & ORNAMENTAL TRIM					
SHUTTER MATERIAL					
Pairs of Shutters					
Wood	3.15%	39.62%	14.23%	21.64%	15.78%
Plastic	87.33%	29.93%	69.89%	54.23%	66.61%
Other	9.53%	30.44%	15.88%	24.13%	17.61%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
INTERIOR MOULDING MATERIAL (98 DATA)					
Linear Feet of Moulding					
Oak	na	na	na	na	na
Other hardwood	na	na	na	na	na
Finger-jointed pine	na	na	na	na	na
Solid pine	na	na	na	na	na
Veneer Clad Wood	na	na	na	na	na
Vinyl clad wood	na	na	na	na	na
Medium density fiberboard	na	na	na	na	na
Foam Plastic	na	na	na	na	na
Ceramic Tile (baseboard)	na	na	na	na	na
Other	na	na	na	na	na
TOTAL	na	na	na	na	na
EXTERIOR ORNAMENTAL TRIM MATERIAL					
Board Feet of Trim					
Solid wood / Lumber ornamental trim	9.47%	42.02%	26.35%	23.71%	25.53%
Plywood / LVL ornamental trim	0.00%	5.62%	2.91%	0.35%	2.12%
Hardboard or MDF ornamental trim	10.32%	13.26%	11.84%	17.34%	13.55%
Stucco on foam board ornamental trim	10.55%	6.11%	8.25%	4.81%	7.18%
Urethane plastic ornamental trim	17.04%	0.03%	8.22%	1.01%	5.98%
Vinyl (wrap) ornamental trim	9.30%	1.85%	5.43%	9.34%	6.65%
Fiber cement ornamental trim	1.45%	0.77%	1.10%	4.78%	2.24%
Wood / PLASTIC composite ornamental trim	1.10%	2.28%	1.71%	4.57%	2.60%
OSB ornamental trim	0.69%	4.06%	2.44%	3.47%	2.76%
Aluminum (wrap) ornamental trim	36.14%	17.48%	26.47%	17.99%	23.83%
Steel ornamental trim	0.00%	0.33%	0.17%	0.00%	0.12%
Cellular PVC or solid vinyl ornamental trim	2.90%	0.05%	1.43%	1.26%	1.37%
Other ornamental trim	1.03%	6.15%	3.68%	11.37%	6.07%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
OUTDOOR STRUCTURES					
PATIO MATERIAL					
Square Feet					
Poured concrete	35.88%	86.23%	64.49%		69.12%
Concrete pavers	3.00%	5.93%	4.66%		4.69%
Brick pavers	4.27%	2.75%	3.41%		3.13%
Natural stone	0.91%	4.99%	3.23%		2.65%
Brick or clay tiles	0.00%	0.01%	0.00%		0.51%
Treated wood block	55.38%	0.09%	23.96%		19.70%
Other	0.56%	0.00%	0.24%		0.20%
TOTAL	100.00%	100.00%	100.00%		100.00%
DECK MATERIAL					
Square Feet					
Treated wood	82.65%	48.05%	60.06%		66.54%
Cedar	10.05%	12.55%	11.68%		10.77%
Redwood	0.00%	0.00%	0.00%		0.00%
Other untreated wood	2.94%	10.45%	7.85%		8.24%
PVC, vinyl, or fiberglass	1.64%	18.57%	12.69%		8.65%
Wood / Plastic composite (Trex, etc.)	2.71%	10.38%	7.72%		5.80%
TOTAL	100.00%	100.00%	100.00%		100.00%
PORCH MATERIAL					
Square Feet					
Treated wood	57.80%	23.32%	43.48%		43.74%
Cedar	2.64%	16.77%	8.51%		9.00%
Redwood	0.00%	0.00%	0.00%		0.00%
Other untreated wood	0.01%	5.38%	2.24%		2.34%
Tiles: brick or clay	0.21%	0.45%	0.31%		0.35%
Plastic and composites	3.12%	15.01%	8.06%		5.69%
Brick & stone	0.78%	1.21%	0.96%		13.37%
Concrete	35.44%	37.87%	36.45%		25.51%
TOTAL	100.00%	100.00%	100.00%		100.00%
WALKWAY MATERIAL					
Linear Feet					
Poured concrete	23.61%	85.17%	53.67%	59.71%	55.81%
Concrete paver	50.29%	7.60%	29.45%	34.99%	31.41%
Brick paver or brick / clay tiles	6.64%	0.12%	3.46%	5.09%	4.03%
Natural stone (include gravel or stone)	9.63%	6.77%	8.23%	0.00%	5.32%
Treated wood block	0.45%	0.00%	0.23%	0.00%	0.15%
Asphalt and other	9.39%	0.33%	4.97%	0.21%	3.28%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%

	EAST CANADA	SINGLE-FAMILY WEST CANADA	CANADA	APARTMENTS CANADA	TOTAL NEW RESIDENTIAL CANADA
FENCING TYPE / MATERIAL					
Square Feet of Fence					
Wood -- vertical boards on alternating sides	53.74%	22.80%	33.55%	23.11%	30.17%
Wood -- vertical boards on one side	7.84%	49.18%	34.81%	16.16%	28.77%
Wood with horizontal rails / boards	0.00%	0.07%	0.05%	0.00%	0.03%
Metal	35.82%	19.07%	24.89%	6.12%	18.81%
Wood/Plastic composite, Vinyl, PVC, or other	0.16%	0.88%	0.63%	9.40%	3.47%
Stucco on wood frame	0.00%	0.07%	0.05%	45.21%	14.68%
Stone (natural or synthetic)	2.44%	3.61%	3.20%	0.00%	2.17%
Brick	0.00%	0.00%	0.00%	0.00%	0.00%
Concrete (all types)	0.00%	4.31%	2.81%	0.00%	1.90%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%
LANDSCAPE-RETAINING WALL TYPE / MATERIAL					
Square Feet of Landscape / Retaining Wall					
Stone (natural or synthetic)	61.11%	52.10%	54.98%	98.59%	82.60%
Brick	0.00%	0.00%	0.00%	0.00%	0.00%
Concrete block	12.83%	11.45%	11.89%	0.92%	4.94%
Poured concrete	17.11%	31.40%	26.82%	0.49%	10.15%
Stucco on wood frame	0.49%	1.07%	0.88%	0.00%	0.32%
Precast concrete	0.00%	0.00%	0.00%	0.00%	0.00%
Wood timbers (landscape walls)	8.46%	3.99%	5.42%	0.00%	1.99%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%

US TOTAL

All Data in Thousands

HOUSING STOCK 117

TOTAL WOOD USAGE IN ALL NEW MANUFACTURED HOMES

LUMBER & ENGINEERED LUMBER

Lumber - Softwood	
Framing, BF	915,698
Boards, BF	9,996
Treated Framing, BF	14,761
Treated Boards, BF	0
Sawn Beams, BF	8,165
Logs, BF	0
Subtotal Lumber, BF	948,619

Engineered Lumber

Glulam, BF	1
I-joist, BF equivalent	43,122
LVL, BF equivalent	6,200
Parallam™, BF equivalent	0
Timberstrand™, BF equivalent	1,293
Plywood Rim Board, BF equivalent	0
OSB Rim Board, BF equivalent	0
Subtotal Engineered Wood, BF equivalent	50,615

Total Lbr. & Eng. Lumber, BF equivalent	999,234
Hardwood lumber, BF	24,318

STRUCTURAL AND NONSTRUCTURAL PANELS

Structural Panels, SF 3/8" Basis	
Softwood Plywood	120,738
Treated Plywood	0
OSB	627,952
Total Structural Panels, SF 3/8" basis	748,690

Nonstructural Wood Panels, SF 3/8" Basis

Hardwood Plywood	12,618
MDF	7,821
Particleboard	63,345
Hardboard	37,566
Lauan	1,170
Fiberboard	34,154
Total Non-Str'l Wood Panels, SF 3/8" basis	156,673

Total Panels, SF 3/8" basis equivalent	905,363
--	---------

US TOTAL

All Data in Thousands

WOOD USAGE IN FLOOR SYSTEMS

LUMBER & ENGINEERED LUMBER

Lumber - Softwood	
Framing, BF	199,026
Boards, BF	0
Treated Framing, BF	na
Treated Boards, BF	na
Sawn Beams, BF	2,954
Logs, BF	na
Subtotal Lumber, BF	201,980

Engineered Lumber

Glulam, BF	0
I-joist, BF equivalent	43,122
LVL, BF equivalent	956
Parallam™, BF equivalent	0
Timberstrand™, BF equivalent	0
Plywood Rim Board, BF equivalent	0
OSB Rim Board, BF equivalent	0
Subtotal Engineered Wood, BF equivalent	44,077

Total Lbr. & Eng. Lumber, BF equivalent 246,057

Concrete, BF equivalent	0
Steel, BF equivalent	0

Total Material, BF equivalent 246,057

STRUCTURAL AND NONSTRUCTURAL PANELS

Structural Panels, SF 3/8" Basis	
Softwood Plywood	83,010
Treated Plywood	na
OSB	148,814
Total Structural Panels, SF 3/8" basis	231,824

Nonstructural Wood Panels, SF 3/8" Basis

Hardwood Plywood	na
MDF	na
Particleboard	12,951
Hardboard	0
Lauan	1,170
Fiberboard	na
Total Non-Str'l Wood Panels, SF 3/8" basis	14,121

Total Panels, SF 3/8" basis equivalent 245,945

Concrete, SF 3/8" basis equivalent	0
------------------------------------	---

Total Material, SF 3/8" basis equivalent 245,945

US TOTAL

All Data in Thousands

WOOD USAGE IN WALL SYSTEMS

LUMBER & ENGINEERED LUMBER

Lumber - Softwood	
Framing, BF	295,446
Boards, BF	1,886
Treated Framing, BF	14,761
Treated Boards, BF	na
Sawn Beams, BF	3,590
Logs, BF	0
Subtotal Lumber, BF	315,683

Engineered Lumber

Glulam, BF	1
I-joist, BF equivalent	0
LVL, BF equivalent	802
Parallam™, BF equivalent	0
Timberstrand™, BF equivalent	1
Plywood Rim Board, BF equivalent	na
OSB Rim Board, BF equivalent	na
Subtotal Engineered Wood, BF equivalent	803

Total Lbr. & Eng. Lumber, BF equivalent 316,487

Concrete, BF equivalent	0
Steel - Exterior Walls, BF equivalent	391
Steel - Interior Walls, BF equivalent	na

Total Material, BF equivalent 321,464

STRUCTURAL AND NONSTRUCTURAL PANELS (Including Plywood in Box Beams)

Structural Panels, SF 3/8" Basis	
Softwood Plywood	20,024
Treated Plywood	na
OSB	113,693
Total Structural Panels, SF 3/8" basis	133,718

Nonstructural Wood Panels, SF 3/8" Basis

Hardwood Plywood	na
MDF	na
Particleboard	na
Hardboard	na
Lauan	na
Fiberboard	34,154
Total Non-Str'l Wood Panels, SF 3/8" basis	34,154

Total Panels, SF 3/8" basis equivalent 167,872

Concrete, SF 3/8" basis equivalent	58,212
Foam and Other, SF 3/8" basis equivalent	111,316

Total Panels, SF 3/8" basis equivalent 337,399

US TOTAL

All Data in Thousands

WOOD USAGE IN ROOF SYSTEMS

LUMBER & ENGINEERED LUMBER

Lumber - Softwood	
Framing, BF	381,611
Boards, BF	0
Treated Framing, BF	na
Treated Boards, BF	na
Sawn Beams, BF	1,621
Logs, BF	na
Subtotal Lumber, BF	383,231

Engineered Lumber

Glulam, BF	0
I-joist, BF equivalent	0
LVL, BF equivalent	4,442
Parallam™, BF equivalent	0
Timberstrand™, BF equivalent	1,292
Plywood Rim Board, BF equivalent	na
OSB Rim Board, BF equivalent	na
Subtotal Engineered Wood, BF equivalent	5,734

Total Lbr. & Eng. Lumber, BF equivalent	388,966
---	---------

Steel, BF equivalent	0
----------------------	---

Total Material, BF equivalent	388,966
-------------------------------	---------

STRUCTURAL AND NONSTRUCTURAL PANELS

Structural Panels, SF 3/8" Basis	
Softwood Plywood	17,250
Treated Plywood	na
OSB	338,730
Total Structural Panels, SF 3/8" basis	355,979

Nonstructural Wood Panels, SF 3/8" Basis

Hardwood Plywood	na
MDF	na
Particleboard	na
Hardboard	na
Lauan	na
Fiberboard	na
Total Non-Str'l Wood Panels, SF 3/8" basis	na

Total Panels, SF 3/8" basis equivalent	355,979
--	---------

US TOTAL

All Data in Thousands

WOOD USAGE IN FOUNDATIONS

LUMBER & ENGINEERED LUMBER

Lumber - Softwood	
Framing, BF	0
Boards, BF	na
Treated Framing, BF	0
Treated Boards, BF	0
Sawn Beams, BF	0
Logs, BF	na
Subtotal Lumber, BF	0

Engineered Lumber

Glulam, BF	na
I-joist, BF equivalent	na
LVL, BF equivalent	na
Parallam™, BF equivalent	na
Timberstrand™, BF equivalent	na
Plywood Rim Board, BF equivalent	na
OSB Rim Board, BF equivalent	na
Subtotal Engineered Wood, BF equivalent	na

Total Lbr. & Eng. Lumber, BF equivalent	0
Hardwood lumber, BF	na

STRUCTURAL AND NONSTRUCTURAL PANELS

Structural Panels, SF 3/8" Basis	
Softwood Plywood	na
Treated Plywood	0
OSB	na
Total Structural Panels, SF 3/8" basis	0

Nonstructural Wood Panels, SF 3/8" Basis

Hardwood Plywood	na
MDF	na
Particleboard	na
Hardboard	na
Lauan	na
Fiberboard	na
Total Non-Str'l Wood Panels, SF 3/8" basis	na

Total Panels, SF 3/8" basis equivalent	0
--	---

US TOTAL

All Data in Thousands

WOOD USAGE IN MILLWORK

LUMBER & ENGINEERED LUMBER

Lumber - Softwood	
Framing, BF *	39,615
Boards, BF **	8,109
Treated Framing, BF	na
Treated Boards, BF	na
Sawn Beams, BF	na
Logs, BF	na
Subtotal Lumber, BF	47,724

Engineered Lumber

Glulam, BF	na
I-joist, BF equivalent	na
LVL, BF equivalent	na
Parallam™, BF equivalent	na
Timberstrand™, BF equivalent	na
Plywood Rim Board, BF equivalent	na
OSB Rim Board, BF equivalent	na
Subtotal Engineered Wood, BF equivalent	na

Total Lbr. & Eng. Lumber, BF equivalent	47,724
Hardwood lumber, BF	24,318

STRUCTURAL AND NONSTRUCTURAL PANELS

Structural Panels, SF 3/8" Basis	
Softwood Plywood	454
Treated Plywood	na
OSB	26,715
Total Structural Panels, SF 3/8" basis	27,168

Nonstructural Wood Panels, SF 3/8" Basis

Hardwood Plywood	12,618
MDF	7,821
Particleboard	50,394
Hardboard	37,566
Lauan	na
Fiberboard	na
Subtotal Non-Str'l Wood Panels, SF 3/8"	108,399

Total Panels, SF 3/8" basis equivalent	135,567
--	---------

* Millwork cut from stock greater than 1 inch

** Millwork cut from 1" stock or less, including beveled siding

US TOTAL

All Data in Thousands

WOOD USAGE IN OUTDOOR STRUCTURES

LUMBER & ENGINEERED LUMBER

Lumber - Softwood	
Framing, BF	0
Boards, BF	0
Treated Framing, BF	0
Treated Boards, BF	0
Sawn Beams, BF	na
Logs, BF	na
Subtotal Lumber, BF	0

Engineered Lumber

Glulam, BF	na
I-joist, BF equivalent	na
LVL, BF equivalent	na
Parallam™, BF equivalent	na
Timberstrand™, BF equivalent	na
Plywood Rim Board, BF equivalent	na
OSB Rim Board, BF equivalent	na
Subtotal Engineered Wood, BF equivalent	na

Total Lbr. & Eng. Lumber, BF equivalent	0
Hardwood lumber, BF	na

STRUCTURAL AND NONSTRUCTURAL PANELS*

Structural Panels, SF 3/8" Basis	
Softwood Plywood	na
Treated Plywood	na
OSB	na
Total Structural Panels, SF 3/8" basis	na

Nonstructural Wood Panels, SF 3/8" Basis

Hardwood Plywood	na
MDF	na
Particleboard	na
Hardboard	na
Lauan	na
Fiberboard	na
Total Non-Str'l Wood Panels, SF 3/8" basis	na

Total Panels, SF 3/8" basis equivalent	na
--	----

TOTAL WOOD USAGE IN FOUNDATION AND OUTDOOR STRUCTURE USAGE

Total - Lumber, BF	0
Total - Treated Lumber, BF	0
Plywood-Treated, SF 3/8" Basis	0

US TOTAL

All Data in Thousands

WOOD USAGE IN ALL FRAMING (Excluding sheathing and millwork)

TOTAL LUMBER - FOUNDATIONS, WALLS, FLOORS, ROOF, BEAMS, RIM BOARDS & OUTDOOR

Lumber - Regular, BF

2x3s	54,424
2x4s	308,865
2x6s	198,409
2x8s	193,372
2x10s	29,625
2x12s	94,414
Boards	0
Solid Sawn Beams	8,165
Logs	0
Total Lumber - Regular, BF	887,276

Lumber - Treated, BF

2x4s	14,761
2x6s	0
2x8s	0
2x10s	na
2x12s	na
Boards	0
Posts	0
Fencing & landscape timbers	na
Total Lumber - Treated, BF	14,761

TOTAL LUMBER AND ENGINEERED WOOD EQUIVALENTS USED IN FRAMING (Excluding br

Lumber Equivalent

Lumber, BF	893,871
Solid Sawn Beams, BF	8,165
Glulam, BF	1
I-joists, LF	21,561
I-joists, BF equivalent	43,122
LVL, Cubic Feet	387
LVL, BF equivalent	6,200
Parallam™, Cubic Feet	0
Parallam™, BF equivalent	0
Timberstrand™, LF	81
Timberstrand™, BF equivalent	970
Plywood, BF equivalent	0
OSB, BF equivalent	0
Total Engineered Wood, BF Equivalent	50,292
Total Lbr. & Eng. Lumber, BF equivalent	952,328

US TOTAL

All Data in Thousands

WOOD USAGE IN FOUNDATIONS

FOUNDATIONS

WOOD FOUNDATION SYSTEMS	
Lumber - Treated, 2 x 6, BF	0
Lumber - Treated, 2 x 8, BF	0
Plywood - Treated, SF 3/8" Basis	0
MASONRY FOUNDATIONS	
Sill Plates - 2 x 6 Treated, BF	0
Support Posts - Treated, BF	0
Furring for Precast - Treated, BF	0
Temporary structures - 2 x 4, BF	0
TOTAL - Untreated Lumber, BF	0
TOTAL - Treated Lumber, BF	0

US TOTAL

All Data in Thousands

WOOD USAGE IN FLOOR FRAMING - ALL FLOORS

FLOOR JOISTS - ALL FLOORS	
2 x 4s (Trusses), BF	3,632
2 x 8s, BF Lumber	91,423
2 x 10s, BF Lumber	9,557
2 x 6s, BF Lumber	64,468
Subtotal: Lumber in Floor Joists, BF	169,080
I-joists, LF	21,561
I-joists, BF equivalent	43,122
Total Lbr. & Eng. Lumber, BF equivalent	212,201

FLOOR BEAMS - ALL FLOORS	
Built-up Dimension Lumber, BF	23,235
Solid Sawn Beams, BF	2,954
Glulam, BF	0
LVL, Cubic Feet	9
LVL, BF equivalent	137
Timberstrand™, Cubic Feet	0
Timberstrand™, BF equivalent	0
Parallam™, Cubic Feet	0
Parallam™, BF equivalent	0
I-joists, LF	0
I-joist, BF equivalent	0
Total Lbr. & Eng. Lumber, BF equivalent	26,326

RIM BOARDS FOR I-JOISTS - ALL FLOORS	
Lumber, BF	6,711
Timberstrand™, Cubic Feet	0
Timberstrand™, BF equivalent	0
I-joist, LF	0
I-joist, BF equivalent	0
LVL, Cubic Feet	51
LVL, BF equivalent	819
Glulam, BF	0
Plywood, 3/8 inch basis	0
Plywood, BF equivalent	0
OSB, 3/8 inch basis	0
OSB, BF equivalent	0
Total Lbr. & Eng. Lumber, BF equivalent	7,530

TOTAL WOOD USAGE IN FLOOR FRAMING (Excluding boards) - ALL FLOORS	
Lumber Equivalent	
Lumber, BF	201,980
Glulam, BF	0
I-joists, LF	21,561
I-joist, BF equivalent	43,122
LVL, Cubic Feet	60
LVL, BF equivalent	956
Parallam™, Cubic Feet	0
Parallam™, BF equivalent	0
Timberstrand™, Cubic Feet	0
Timberstrand™, BF equivalent	0
Plywood - BF equivalent	0
OSB - BF equivalent	0
Total Engineered Wood, BF Equivalent	44,077
Total Lbr. & Eng. Lumber, BF equivalent	246,057

US TOTAL

All Data in Thousands

WOOD USAGE IN FLOOR FRAMING - GROUND FLOOR

FLOOR JOISTS - GROUND FLOOR	
2 x 4s (Trusses), BF	3,632
2 x 8s, BF Lumber	91,423
2 x 10s, BF Lumber	9,557
2 x 12s, BF Lumber	64,468
Subtotal: Lumber in Floor Joists, BF	169,080
I-joists, LF	21,561
I-joists, BF equivalent	43,122
Total Lbr. & Eng. Lumber, BF equivalent	212,201

FLOOR BEAMS - GROUND FLOOR	
Built-up Dimension Lumber, BF	23,235
Solid Sawn Beams, BF	2,954
Glulam, BF	0
LVL, Cubic Feet	9
LVL, BF equivalent	137
Timberstrand™, Cubic Feet	0
Timberstrand™, BF equivalent	0
Parallam™, Cubic Feet	0
Parallam™, BF equivalent	0
I-joists, LF	0
I-joist, BF equivalent	0
Total Lbr. & Eng. Lumber, BF equivalent	26,326

RIM BOARDS FOR I-JOISTS - GROUND FLOOR	
Lumber, BF	6,711
Timberstrand™, Cubic Feet	0
Timberstrand™, BF equivalent	0
I-joist, LF	0
I-joist, BF equivalent	0
LVL, Cubic Feet	51
LVL, BF equivalent	819
Glulam, BF	0
Plywood, 3/8 inch basis	0
Plywood, BF equivalent	0
OSB, 3/8 inch basis	0
OSB, BF equivalent	0
Total Lbr. & Eng. Lumber, BF equivalent	7,530

TOTAL WOOD USAGE IN FLOOR FRAMING (Excluding boards) - GROUND FLOOR

Lumber Equivalent	
Lumber, BF	201,980
Glulam, BF	0
I-joists, LF	21,561
I-joist, BF equivalent	43,122
LVL, Cubic Feet	60
LVL, BF equivalent	956
Parallam™, Cubic Feet	0
Parallam™, BF equivalent	0
Timberstrand™, Cubic Feet	0
Timberstrand™, BF equivalent	0
Plywood - BF equivalent	0
OSB - BF equivalent	0
Total Engineered Wood, BF Equivalent	44,077
Total Lbr. & Eng. Lumber, BF equivalent	246,057

US TOTAL

All Data in Thousands

WOOD USAGE IN FLOOR FRAMING - UPPER FLOORS

FLOOR JOISTS - UPPER FLOORS	
2 x 4s (Trusses), BF	na
2 x 8s, BF Lumber	na
2 x 10s, BF Lumber	na
2 x 12s, BF Lumber	na
Subtotal: Lumber in Floor Joists, BF	na
I-joists, LF	na
I-joists, BF equivalent	na
Total Lbr. & Eng. Lumber, BF equivalent	na

FLOOR BEAMS - UPPER FLOORS	
Built-up Dimension Lumber, BF	na
Solid Sawn Beams, BF	na
Glulam, BF	na
LVL, Cubic Feet	na
LVL, BF equivalent	na
Timberstrand™, Cubic Feet	na
Timberstrand™, BF equivalent	na
Parallam™, Cubic Feet	na
Parallam™, BF equivalent	na
I-joists, LF	na
I-joist, BF equivalent	na
Total Lbr. & Eng. Lumber, BF equivalent	na

RIM BOARDS FOR I-JOISTS - UPPER FLOORS	
Lumber, BF	na
Timberstrand™, Cubic Feet	na
Timberstrand™, BF equivalent	na
I-joist, LF	na
I-joist, BF equivalent	na
LVL, Cubic Feet	na
LVL, BF equivalent	na
Glulam, BF	na
Plywood, 3/8 inch basis	na
Plywood, BF equivalent	na
OSB, 3/8 inch basis	na
OSB, BF equivalent	na
Total Lbr. & Eng. Lumber, BF equivalent	na

TOTAL WOOD USAGE IN FLOOR FRAMING (Excluding boards) - UPPER FLOORS	
Lumber Equivalent	
Lumber, BF	na
Glulam, BF	na
I-joists, LF	na
I-joist, BF equivalent	na
LVL, Cubic Feet	na
LVL, BF equivalent	na
Parallam™, Cubic Feet	na
Parallam™, BF equivalent	na
Timberstrand™, Cubic Feet	na
Timberstrand™, BF equivalent	na
Plywood - BF equivalent	na
OSB - BF equivalent	na
Total Engineered Wood, BF Equivalent	na
Total Lbr. & Eng. Lumber, BF equivalent	na

US TOTAL

All Data in Thousands

WOOD USAGE IN FLOOR SYSTEMS

LUMBER & ENGINEERED LUMBER

ALL FLOORS

Total Lbr. & Eng. Lumber, BF equivalent	246,057
Concrete, BF equivalent	0
Steel, BF equivalent	0
Total Material, BF equivalent	246,057

GROUND FLOOR

Total Lbr. & Eng. Lumber, BF equivalent	246,057
Concrete, BF equivalent	0
Steel, BF equivalent	0
Total Material, BF equivalent	246,057

UPPER FLOORS

Total Lbr. & Eng. Lumber, BF equivalent	na
Concrete, BF equivalent	na
Steel, BF equivalent	na
Total Material, BF equivalent	na

STRUCTURAL AND NONSTRUCTURAL PANELS

ALL FLOORS

Total Panels, SF 3/8" basis equivalent	159,299
Concrete, SF 3/8" basis equivalent	840
Total Material, BF equivalent	160,139

GROUND FLOOR

Total Panels, SF 3/8" basis equivalent	159,299
Concrete, SF 3/8" basis equivalent	840
Total Material, BF equivalent	160,139

UPPER FLOORS

Total Panels, SF 3/8" basis equivalent	na
Concrete, SF 3/8" basis equivalent	na
Total Material, BF equivalent	na

US TOTAL

All Data in Thousands

WOOD USAGE IN WALL FRAMING

WALL FRAMING	
2 x 4s Walls, BF	44,946
2 x 6s Walls, BF	129,101
Interior 2 x 3s Walls, BF	54,424
Interior 2 x 4s Walls, BF	35,351
Interior 2 x 6s Walls, BF	2,019
Treated plates on slabs	14,761
Blocking for drywall, 2 x 4, BF	7,857
Blocking for drywall, 2 x 6, BF	7,015
Subtotal: Dimension Lumber in Walls	295,473
Timberstrand™, BF equivalent	0
I-joists, LF or BF equivalent	na
Post and Beams, BF	0
Logs, BF	0
Total Lbr. & Eng. Lumber, BF equivalent	295,473

WINDOW AND DOOR HEADERS

Lumber,BF(Blt-up,Open Web & Flitch Pl'te)	14,378
Solid Sawn Beams, BF	3,590
Glulam, BF	1
I-Joists, LF	0
I-joists, BF equivalent	0
LVL, Cubic Feet	50
LVL, BF equivalent	802
Parallam™, Cubic Feet	0
Parallam™, BF equivalent	0
Timberstrand™, Cubic Feet	0
Timberstrand™, BF equivalent	1
Glued and Nailed Box Beams, BF Lumber	355
Total Lbr. & Eng. Lumber, BF equivalent	19,127

GARAGE DOOR HEADERS

Lumber, BF (Blt-up,Open Web & Flitch Pl'te)	na
Solid Sawn Beams, BF	na
Glulam, BF	na
I-Joists, LF	na
I-joists, BF equivalent	na
LVL, Cubic Feet	na
LVL, BF equivalent	na
Parallam™, Cubic Feet	na
Parallam™, BF equivalent	na
Timberstrand™, Cubic Feet	na
Timberstrand™, BF equivalent	na
Glued and Nailed Box Beams, BF Lumber	na
Total Lbr. & Eng. Lumber, BF equivalent	na

TOTAL WOOD USAGE IN WALL FRAMING (Excluding boards)

Lumber Equivalent	
Lumber, BF	313,797
Glulam, BF	1
Timberstrand™, BF equivalent	0
I-joists, LF	0
I-joist, BF equivalent	0
LVL, Cubic Feet	50
LVL, BF equivalent	802
Parallam™, Cubic Feet	0
Parallam™, BF equivalent	0
Total Engineered Wood, BF Equivalent	803
Total Lbr. & Eng. Lumber, BF equivalent	314,600

US TOTAL

All Data in Thousands

WOOD USAGE IN ROOF FRAMING

TRUSSES, RAFTERS AND CEILING JOISTS	
2 x 4s (Trusses), BF	168,168
2 x 6s (Rafters), BF	46,131
2 x 8s (Rafters), BF	87,571
2 x 10s (Rafters), BF	20,068
Turn Gables, 2 x 4s, BF	3,301
Dormers, 2 x 4s, BF	24,677
Soffit, 2 x 4s, BF	17,551
Fascia and Rakes, 2 x 6s, BF	14,143
Subtotal: Framing Lumber in Roofs	381,611
I-joists, LF	0
I-joist, BF equivalent	0
Total Lbr. & Eng. Lumber, BF equivalent	381,611

ROOF BEAMS (incl. Beam and Purlin Construction)	
Built-up Dimension Lumber, BF	3,501
Solid Sawn Beams, BF	1,621
Glulam, BF	0
LVL, Cubic Feet	278
LVL, BF equivalent	4,442
Timberstrand™, Cubic Feet	81
Timberstrand™, BF equivalent	1,292
Parallam™, Cubic Feet	0
Parallam™, BF equivalent	0
I-joists, LF	0
I-joist, BF equivalent	0
Total Lbr. & Eng. Lumber, BF equivalent	10,856

TOTAL WOOD USAGE IN ROOF FRAMING (Excluding boards)

Lumber Equivalent	
Lumber, BF	386,732
Glulam, BF	0
I-joists, LF	0
I-joist, BF equivalent	0
LVL, Cubic Feet	278
LVL, BF equivalent	4,442
Timberstrand™, Cubic Feet	81
Timberstrand™, BF equivalent	1,292
Parallam™, Cubic Feet	0
Parallam™, BF equivalent	0
Total Engineered Wood, BF Equivalent	4,442
Total Lbr. & Eng. Lumber, BF equivalent	391,174

US TOTAL

All Data in Thousands

WOOD USAGE IN ALL BEAMS - BF OR EQUIVALENT

Lumber Equivalent	
Lumber, BF	41,469
Solid Sawn Beams, BF	8,165
Glulam, BF	1
I-joists, LF	0
I-joists, BF equivalent	0
LVL, Cubic Feet	387
LVL, BF equivalent	6,200
Parallam™, Cubic Feet	0
Parallam™, BF equivalent	0
Timberstrand™, Cubic Feet	81
Timberstrand™, BF equivalent	1,293
Total Engineered Wood, BF Equivalent	7,493
Total Lbr. & Eng. Lumber, BF equivalent	57,127
Plywood - 3/8 inch basis	461

US TOTAL

All Data in Thousands

UNDERLAYMENT MATERIAL

SF of Floor Area	
Lauan Plywood - 1/4"	1,755
OSB - 1/4"	0
OSB - 3/8"	0
OSB - 7/16" OR 1/2"	0
OSB - 5/8"	0
OSB - 3/4"	0
Plywood - 1/4"	0
Plywood - 3/8"	0
Plywood - 1/2"	0
Plywood - 5/8"	2,058
Plywood - 3/4"	299
Particleboard - 1/4"	0
Particleboard - 3/8"	0
Particleboard - 1/2"	0
Particleboard - 5/8"	7,771
Particleboard - 3/4"	0
Hardboard - 1/4"	0
Cementitious Board	1,158
Fiberbond	0
TOTAL	13,041

UNDERLAYMENT VOLUMES

Plywood, SF 3/8" Basis	4,029
Lauan Plywood, SF 3/8" Basis	1,170
OSB, SF 3/8" Basis	1
Particleboard, SF 3/8" Basis	12,951
Hardboard, SF 3/8" Basis	0
Other	1,612
Total Panel Potential, 3/8" basis equiv	19,762

US TOTAL

All Data in Thousands

WOOD USAGE IN SHEATHING

FLOOR SHEATHING

SF of 1st & 2nd Story Floor Area

None - Slab or Stress Skin Panel	0
Plywood - 1/2"	5,716
Plywood - 5/8"	19,269
Plywood - 3/4"	19,623
Plywood - 1 1/8"	0

OSB - 7/16" OR 1/2"	9,644
OSB - 5/8"	42,331
OSB - 3/4"	30,168
OSB - 7/8"	2,172
OSB - 1"	0
OSB - 1 1/8"	0

Boards - 1"	0
Boards - 2"	0
Other	65,375
TOTAL	194,297

FLOOR SHEATHING VOLUMES

Plywood, SF 3/8" basis	78,982
OSB, SF 3/8" basis	148,813
Boards / other, 3/8" str'l pn'l basis equiv.	115,512
Total Panel Potential, 3/8" basis equiv	343,307

US TOTAL

All Data in Thousands

WALL SHEATHING

SF of Exterior Wall

None (Stress Skin Panel or Other)	0
Plywood - 3/8"	0
Plywood - 1/2"	14,672
Plywood - 5/8"	0
Plywood - 3/4"	0
OSB - 3/8"	33,491
OSB - 7/16" OR 1/2"	60,152
OSB - 5/8"	0
OSB - 3/4"	0
Fiberboard - 1/2"	27,762
Cementitious Board	0
Gypsum	2,888
Foil Faced 3-ply Kraft Paper - 1/8"	11,413
Boards - 1"	1,886
Foam	31,012
Other	0
TOTAL	183,275

WALL SHEATHING VOLUMES

Plywood, SF 3/8" basis	19,563
OSB, SF 3/8" basis	113,693
Foam, SF 3/8" str'l panel basis equivalent	38,153
Boards / other, 3/8" str'l pn'l basis equiv.	54,069
Total Panel Potential, 3/8" basis equiv	225,478

US TOTAL

All Data in Thousands

ROOF SHEATHING

SF of Roof Area

None	0
Plywood - 3/8"	0
Plywood - 1/2"	9,201
Plywood - 5/8"	2,989
Plywood - 3/4"	0
OSB - 7/16" or 1/2"	215,112
OSB - 5/8"	31,148
OSB - 3/4"	0
Boards - 1" - no spacing	0
Boards - 1" - spaced	0
Boards - 2"	0
Other	2,451
TOTAL	260,901

ROOF SHEATHING VOLUMES

Plywood, SF 3/8" Basis	17,250
OSB, SF 3/8" Basis	338,730
Boards / Other, 3/8" str'l pn'l basis equiv.	3,376
Total Panel Potential, 3/8" basis equiv	359,355

US TOTAL

All Data in Thousands

WOOD USAGE IN MILLWORK

SIDING MATERIAL	
SF of Exterior Wall	
Plywood panels	163
Hardboard	17,094
Lumber	1,399
Cedar Shingles	0
OSB	13,541
Other wood	557
Brick	0
Natural Stone	0
Manufactured Stone	0
Concrete Stucco	0
Acrylic Stucco	0
Concrete block	0
Fiber Cement	47,468
Vinyl	110,551
Aluminum	2,664
Steel	2,955
Other	0
TOTAL	196,393

MILLWORK VOLUMES - Volumes as indicated

SIDING VOLUMES	
Lumber, BF	2,014
Cedar Shakes and Shingles, BF	0
Plywood, SF 3/8" Basis	340
OSB, SF 3/8" Basis	24,373
Hardboard, SF 3/8" Basis	25,128
SOFFITS AND FASCIA - EAVES & RAKES	
Plywood, SF 3/8" Basis	0
MDF, SF 3/8" Basis	5,733
Lumber, BF	1,510
OSB, SF 3/8" Basis	2,342
ROOFING	
Cedar Shakes and Shingles, BF	0
EXTERIOR ORNAMENTAL TRIM	
Lumber, BF	411
Plywood, SF 3/8" Basis	103
MDF, 3/8" Basis	2,088
SHUTTERS	
Lumber, BF	342

US TOTAL	
<i>All Data in Thousands</i>	
EXTERIOR AND INTERIOR DOORS	
Lumber, BF	37,444
Plywood, SF 3/8" Basis	11
Hardboard, SF 3/8" Basis	11,834
Hardwood Plywood (Incl. Lauan), SF 3/8" Ba	1,310
Particleboard, SF 3/8" Basis	43
WINDOWS	
Lumber, BF	1,760
GARAGE DOORS & FRAMING	
Lumber, BF	na
Hardboard, SF 3/8" Basis	na
MOULDINGS	
Linear Feet Wood Moulding	
Base	32,686
Case	43,623
Other	2,288
TOTAL	78,597
MOULDINGS VOLUMES	
Volume measures as indicated	
Softwood Lumber, BF	na
Hardwood Lumber, BF	na
MDF, SF 3/8" Basis	na
CLOSET SHELVING	
Lumber, BF	na
Plywood, SF 3/8" Basis	na
Particleboard / MDF, SF 3/8" Basis	na
KITCHEN AND VANITY CABINETS	
Lumber - Softwood, BF	3,354
Lumber - Hardwood, BF	23,518
Plywood - Hardwood (Incl. Lauan), SF 3/8" E	10,842
Hardboard, SF 3/8" Basis	387
Particleboard / MDF, SF 3/8" Basis	50,351
KITCHEN CABINETS -- TYPE OF DOOR	
Number of Cabinets	
Wood finish, raised panel in frame	902
Wood finish, flat panel in frame	575
Glass panel in wood frame	102
Laminate with raised panel look	0
Wood finish, flat panel with no frame	174
Laminate finish, flat panel with no frame	51
Other	0
TOTAL	1,805

US TOTAL

All Data in Thousands

VANITY CABINETS -- TYPE OF DOOR

Number of Cabinets	
Wood finish, raised panel in frame	157
Wood finish, flat panel in frame	91
Glass panel in wood frame	15
Laminate with raised panel look	0
Wood finish, flat panel with no frame	37
Laminate finish, flat panel with no frame	12
Other	0
TOTAL	312

ALL CABINETS -- TYPE OF DOOR

Number of Cabinets	
Wood finish, raised panel in frame	1,163
Wood finish, flat panel in frame	740
Glass panel in wood frame	128
Laminate with raised panel look	0
Wood finish, flat panel with no frame	232
Laminate finish, flat panel with no frame	68
Other	0
TOTAL	2,332

KITCHEN CABINETS -- TYPE OF CABINET FRAME

Number of Cabinets	
Frameless (European style)	132
Face-framed (traditional)	1,633
Other	40
TOTAL	1,805

VANITY CABINETS -- TYPE OF CABINET FRAME

Number of Cabinets	
Frameless (European style)	23
Face-framed (traditional)	282
Other	7
TOTAL	312

ALL CABINETS -- TYPE OF CABINET FRAME

Number of Cabinets	
Frameless (European style)	170
Face-framed (traditional)	2,110
Other	52
TOTAL	2,332

TYPE OF CABINET BOX

Number of Cabinets	
Solid wood	312
Wood veneer on particleboard/MDF	89
Plastic/Paper overlay/laminate on particleboard	1,101
Plywood	155
Other	675
TOTAL	2,332

COUNTERTOPS

Plywood, SF 3/8" Basis	na
Particleboard / MDF, SF 3/8" Basis	na
Lumber - Hardwood, BF	na

US TOTAL

All Data in Thousands

FINISHED WOOD FLOORING

Lumber - Hardwood, BF	801
Lumber - Softwood, BF	na

FINISH FLOORING

SF of Flooring	
Wall to wall carpet	127,876
Hardwood (solid)	0
Hardwood (engineered)	453
Vinyl sheet	40,912
Vinyl tile	10,402
Laminate	422
Ceramic tile	1,314
Slate	0
Marble	0
Other	0
TOTAL	181,379

INTERIOR WALL AND CEILING FINISHES

Lumber, BF	821
Hardboard, SF 3/8" Basis	217
Plywood-Hardwood, SF 3/8" Basis	465

STAIRS AND RAILINGS

Lumber - Softwood, BF	na
Lumber - Hardwood, BF	na
Plywood, SF 3/8" Basis	na
OSB, SF 3/8" Basis	na
Particleboard / MDF, SF 3/8" Basis	na

MANTELS

Lumber - Softwood, BF	na
Lumber - Hardwood, BF	na

US TOTAL

All Data in Thousands

WOOD USAGE IN OUTDOOR STRUCTURES

DECKS

Lumber - Regular, BF	
Boards	na
Lumber - Treated, BF	
2x4s	na
2x6s	na
2x8s	na
2x10s	na
2x12s	na
Boards	na
Support Posts	na
Subtotal - Lumber, BF	na
Subtotal - Treated Lumber, BF	na
Total, BF	na

Deck Surfaces

Lumber - Regular, BF	na
Lumber - Treated, BF	na
PVC / Vinyl / Fiberglass, BF	na
Wood / Plastic composite, BF	na
Total Deck Surface Material, BF	na

PORCHES

Lumber - Regular, BF	
2x4s (Porch Roofs & Breezeways)	na
2x8s (Porch Floors & Breezeways)	na
Posts	na
Boards	na
Lumber - Treated, BF	
Boards	na
Subtotal - Lumber, BF	na
Subtotal - Treated Lumber, BF	na
Total, BF	na

Porch Surfaces

Lumber - Regular, BF	na
Lumber - Treated, BF	na
Plastic and Composites, BF	na
Concrete / Brick / Stone / Tiles, BF	na
Total Porch Surface Material, BF	na

FENCES AND LANDSCAPE WALLS

Lumber - Treated, BF	na
----------------------	----

FENCING TYPE / MATERIAL

Wood -- vert boards on alt sides, BF	na
Wood -- vert boards on one side, BF	na
Wood w/ horiz rails / boards, BF	na
Metal, BF equivalent	na
WPC, Vinyl, PVC, or other plast, BF equivalent	na
Stucco on wood frame, BF equivalent	na
Stone (natural or synthetic), BF equivalent	na
Brick, BF equivalent	na
Concrete (all types), BF equivalent	na

LANDSCAPE-RETAINING WALL TYPE / MATERIAL

Wood timbers, BF	na
Stucco on wood frame, BF	na
Stone (natural or synthetic), BF equivalent	na
Brick, BF equivalent	na
Concrete (all types), BF equivalent	na

US TOTAL

FOUNDATION

BASEMENT WALL MATERIAL

Linear Feet of Foundation Wall	
Poured concrete	na
Concrete block	na
Precast concrete	na
Insulated concrete forming systems	na
Pressure treated wood	na
Other	na
TOTAL	na

CRAWL SPACE WALL MATERIAL

Linear Feet of Foundation Wall	
Poured concrete	na
Concrete block	na
Precast concrete	na
Insulated concrete forming systems	na
Pressure treated wood	na
Other	na
TOTAL	na

US TOTAL

STRUCTURAL SYSTEMS: FLOORS

STRUCTURAL FLOOR MATERIAL - ALL FLOORS

Square Feet of Floor	
Cast-in-place concrete	0.00%
Precast concrete	0.00%
Steel (all types)	0.00%
Lumber joists	82.37%
Wood I-joists	15.22%
Open web wood truss	1.41%
Structural insulated panels	0.00%
Other wood	1.00%
TOTAL	100.00%

STRUCTURAL FLOOR MATERIAL - GROUND FLOOR

Square Feet of Floor	
Cast-in-place concrete	0.00%
Precast concrete	0.00%
Steel (all types)	0.00%
Lumber joists	82.37%
Wood I-joists	15.22%
Open web wood truss	1.41%
Structural insulated panels	0.00%
Other wood	1.00%
TOTAL	100.00%

STRUCTURAL FLOOR MATERIAL - UPPER FLOORS

Square Feet of Floor	
Cast-in-place concrete	na
Precast concrete	na
Steel (all types)	na
Lumber joists	na
Wood I-joists	na
Open web wood truss	na
Structural insulated panels	na
Other wood	na
TOTAL	na

SPECIES OF LUMBER JOISTS

Square Feet of 1st & 2nd Story Area	
Southern yellow pine (SYP)	na
Douglas fir or hem fir	na
Spruce / Pine / Fir (SPF) or eastern spruce	na
Other	na
TOTAL	na

US TOTAL

STRUCTURAL SYSTEMS: WALLS

EXTERIOR WALL MATERIAL - ALL FLOORS

Linear Feet of Exterior Wall	
Wood	99.78%
Masonry	0.00%
Steel	0.22%
TOTAL	100.00%

SPECIES OF LIGHT FRAME EXTERIOR WALL

Linear Feet Light Frame Exterior Wall	
Lamin. strand lumber (Timberstrand)	0.00%
Finger-jointed (any species)	0.00%
Southern yellow pine (SYP)	17.02%
Douglas fir, hem-fir	24.47%
Spruce / Pine / Fir (SPF) or eastern spruce	44.31%
Other	0.00%
Don't know	14.21%
TOTAL	100.00%

STRUCTURAL SYSTEMS: ROOF FRAMING

ROOF FRAME MATERIAL

Square Feet of Roof Footprint	
Lumber	100.00%
I-joists	0.00%
Steel	0.00%
Structural insulated panels	0.00%
TOTAL	100.00%

SPECIES OF ROOF TRUSSES

Square Feet of Roof Footprint	
Southern yellow pine	na
Douglas fir or hem-fir	na
Spruce / Pine / Fir	na
Other	na
Don't know	na
TOTAL	na

SPECIES OF ROOF RAFTER

Square Feet of Roof Footprint	
Southern yellow pine	na
Douglas fir or hem-fir	na
Spruce / Pine / Fir	na
Other	na
Don't know	na
TOTAL	na

US TOTAL

BEAMS

FLOOR & ROOF BEAMS -- ALL FLOORS

Linear Feet of Beam	
Built-up dimension lumber	58.09%
Solid wood beams	11.22%
Glulam	0.00%
LVL	11.01%
Timberstrand	3.16%
Parallam	0.00%
Steel	3.54%
Open web joist	0.00%
Girder truss	0.00%
I-joist	0.00%
Other	12.98%
TOTAL	100.00%

RIM BOARD FOR WOODEN I-JOISTS

Linear Feet of Exterior Wall	
Timberstrand	0.00%
Plywood	0.00%
OSB	0.00%
Dimension lumber	89.13%
LVL	10.87%
Wooden I-joist with blocking	0.00%
Re-sawn glulam	0.00%
TOTAL	100.00%

HEADERS

WINDOW, DOOR AND GARAGE DOOR HEADERS

Linear Feet of Headers	
Built-up dimension lumber	71.35%
Solid wood beams	17.81%
Glulam	0.00%
Wood I-joists -- single	0.00%
Wood I-joists -- doubled	0.00%
LVL -- single	3.66%
LVL -- doubled	1.69%
Parallam	0.00%
Concrete	0.00%
Steel	0.00%
Timberstrand	0.00%
Glued & nailed box	5.48%
Wood truss	0.00%
Fitch plate beams	0.00%
TOTAL	100.00%

US TOTAL

SHEATHING: FLOOR

FLOOR SHEATHING - ALL FLOORS - WASTE INCLUDED

Square Feet of All Floors	
None - slab or SIPs	0.00%
Plywood	22.96%
OSB	43.39%
1x boards	0.00%
2x boards	0.00%
Other	33.65%
TOTAL	100.00%

SHEATHING: WALL

WALL SHEATHING - WASTE INCLUDED

Square Feet of Exterior Wall	
None (SIPs or other)	0.00%
Plywood	6.62%
OSB	42.28%
XPS	14.00%
EPS	0.00%
ISO	0.00%
1/2 inch fiberboard	12.53%
Cementitious board	0.00%
Fiber cement	17.25%
Gypsum	1.30%
1/8 inch foil faced (Thermoply, EnergyBrace)	5.15%
1 inch boards	0.85%
Other	0.00%
TOTAL	100.00%

SHEATHING: ROOF

ROOF SHEATHING - WASTE INCLUDED

Square Feet of Sheathing	
None (SIPs or other)	0.00%
Plywood	4.67%
OSB	94.39%
1 inch boards (3/4 inch actual), no spacing	0.00%
1 inch boards (3/4 inch actual), spaced	0.00%
2 inch boards (1 1/2 inch actual -- including	0.00%
Other	0.94%
TOTAL	100.00%

UNDERLAYMENT

UNDERLAYMENT MATERIAL

Square Feet of Floor Area	
Luan plywood	13.45%
OSB	0.00%
Plywood	18.08%
Particleboard	59.58%
1/4 inch hardboard	0.00%
Cementitious board	8.88%
Gypsum Panel	0.00%
Poured lightweight concrete	0.00%
Other	0.00%
TOTAL	100.00%

US TOTAL

STAIRWAYS

STAIRS AND RAILINGS

Lumber - Softwood	na
Lumber - Hardwood	na
Plywood	na
OSB, SF	na
Particleboard / MDF	na
LVL	na
Metal or other	na
TOTAL	na

FIREPLACES AND MANTELS

MANTELS

Number of Mantels	
Wood - with side pilasters	na
Wood - a board on brackets	na
Brick with wood plank	na
Brick - no wood	na
Other	na
None	na
TOTAL	na

WINDOWS

WINDOW FRAME MATERIAL BY UNIT

Window Units	
Wood (no cladding)	0.00%
Wood, aluminum clad	1.45%
Wood, vinyl clad	8.34%
Aluminum	20.68%
Vinyl	69.36%
Composite	0.16%
Other	0.00%
TOTAL	100.00%

US TOTAL

EXTERIOR DOORS

EXTERIOR DOOR MATERIAL

Number of Doors	
Solid wood -- raised panel	3.87%
Wood -- flush	0.20%
Steel -- raised panel	73.43%
Steel -- flush	7.85%
Fiberglass	14.65%
TOTAL	100.00%

PATIO DOORS

PATIO DOOR MATERIAL

Number of Doors	
Wood	0.00%
Aluminum clad wood	1.76%
Vinyl clad wood	17.96%
Steel	0.00%
Aluminum	24.40%
Vinyl	55.88%
Composite/Fiberglass	0.00%
Other	0.00%
TOTAL	100.00%

INTERIOR DOORS

INTERIOR DOOR MATERIAL

Number of Doors	
Solid wood panel	3.83%
Solid wood with louvers	0.00%
Solid wood with glass unit(s)	0.61%
Hardboard panel	67.11%
Hardboard flush, hollow core	14.46%
Particleboard / MDF, solid core	0.00%
Plywood flush, hollow core	8.62%
Mirror on steel frame	0.11%
Steel (no mirror)	0.00%
Hardboard panel on steel frame	0.00%
Other	5.25%
TOTAL	100.00%

GARAGE DOORS

GARAGE DOOR MATERIAL

Number of Garage Doors	
Steel	na
Wood	na
Fiberglass or Plastic	na
Other	na
TOTAL	na

US TOTAL

INTERIOR FINISHES

INTERIOR WALL FINISH

Square Feet of Wall	
Plywood paneling -- 1/4	0.16%
Hardboard paneling -- 1/4	0.08%
Gypsum drywall -- 3/8	29.18%
Gypsum drywall -- 1/2	59.47%
Cement board	0.00%
Gypsum drywall -- 5/8	0.00%
Gypsum drywall -- 3/4	0.00%
Lumber / Boards or shingles	0.11%
Other	11.00%
TOTAL	100.00%

INTERIOR CEILING FINISH

Square Feet of Ceiling	
Plywood paneling -- 1/4	0.00%
Hardboard paneling -- 1/4	0.00%
Gypsum drywall -- 3/8	6.95%
Gypsum drywall -- 1/2	80.53%
Cement board	0.00%
Gypsum drywall -- 5/8	9.77%
Gypsum drywall -- 3/4	0.00%
Lumber / Boards or shingles	0.11%
Acoustical ceiling tiles	2.63%
Other	0.00%
TOTAL	100.00%

FLOORING

ALL FINISH FLOORING (Excludes Basements)

Square Feet of Finished Floor Area	
Carpet	70.50%
Hardwood (solid)	0.00%
Ceramic tile	0.72%
Vinyl sheet	22.56%
Vinyl tile	5.73%
Hardwood (engineered)	0.25%
Laminate	0.23%
Slate	0.00%
Marble	0.00%
Other	0.00%
TOTAL	100.00%

US TOTAL

CABINETS

CABINET DOOR TYPE

Number of Cabinets	
Wood finish, raised panel in frame	49.87%
Wood finish, flat panel in frame	31.75%
Glass panel in wood frame	5.49%
Laminate with raised panel look	0.00%
Wood finish, flat panel with no frame	9.97%
Laminate finish, flat panel with no frame	2.92%
Other	0.00%
TOTAL	100.00%

CABINET FRAME TYPE

Number of Cabinets	
Frameless (European style)	7.29%
Face-framed (traditional)	90.50%
Other	2.21%
TOTAL	100.00%

CABINET BOX TYPE

Number of Cabinets	
Wood veneer on particleboard / MDF	13.37%
Solid wood	3.83%
Plastic / Paper overlay / laminate on particle	47.24%
Plywood	6.63%
Other	28.94%
TOTAL	100.00%

COUNTERTOPS

KITCHEN COUNTERTOP MATERIAL

Linear Feet	
Solid Surface	na
Laminate	na
Ceramic Tile	na
Cultured Marble	na
Wood (butcher block)	na
Marble, stone, and other	na
Granite	na
TOTAL	na

VANITY COUNTERTOP MATERIAL

Linear Feet	
Solid Surface	na
Laminate	na
Ceramic Tile	na
Cultured Marble	na
Wood (butcher block)	na
Marble, stone, and other	na
TOTAL	na

US TOTAL

ROOFING

ROOFING MATERIAL (WITH WASTE FACTORS)

Square Feet of Roofing	
Asphalt -- standard 3-tab	62.31%
Asphalt -- architectural grade	35.74%
Cedar shingles	0.00%
Cedar shakes	0.00%
Aluminum	0.00%
Clay roof tiles	0.00%
Concrete roof tiles	0.00%
Fiber cement	0.00%
Slate	0.00%
Copper	0.00%
Steel	1.95%
Built-up asphalt	0.00%
Single-ply (EPDM, vinyl, modified bitumen)	0.00%
TOTAL	100.00%

SIDING

SIDING MATERIAL (WITH WASTE FACTORS)

Square Feet of Siding	
Plywood Panels	0.08%
Hardboard	8.70%
Lumber	0.71%
Cedar Shingles	0.00%
OSB	6.89%
Other wood	0.28%
Brick	0.00%
Natural Stone	0.00%
Manufactured Stone	0.00%
Cement Stucco	0.00%
Synthetic Stucco	0.00%
Concrete block	0.00%
Fiber Cement	24.17%
Vinyl	56.29%
Aluminum	1.36%
Steel	1.50%
Other Metal & Plastic	0.00%
TOTAL	100.00%

US TOTAL

SOFFIT & FASCIA MATERIAL

SOFFIT MATERIAL: EAVES

Square Feet of Soffit	
Plywood / LVL	0.00%
Hardboard or MDF	9.14%
Solid wood / Lumber	3.11%
OSB	7.44%
Vinyl	22.06%
Aluminum	31.64%
Steel	0.00%
Other material	26.60%
TOTAL	100.00%

FASCIA MATERIAL: EAVES

Linear Feet of Fascia	
Plywood / LVL	0.00%
Hardboard / MDF	17.07%
Solid wood / Lumber	7.12%
OSB	7.39%
Vinyl (wrap)	7.70%
Aluminum (wrap)	23.70%
Steel	12.75%
Other material	24.27%
TOTAL	100.00%

US TOTAL

SHUTTERS & ORNAMENTAL TRIM

SHUTTER MATERIAL

Pairs of Shutters

Wood	7.10%
Plastic	85.56%
Other	7.34%
TOTAL	100.00%

INTERIOR MOULDING MATERIAL

Linear Feet of Moulding

Oak	na
Other hardwood	na
Finger-jointed pine	na
Solid pine	na
Veneer Clad Wood	na
Vinyl clad wood	na
Medium density fiberboard	na
Foam Plastic	na
Ceramic Tile (baseboard)	na
Other	na
TOTAL	na

EXTERIOR ORNAMENTAL TRIM MATERIAL

Board Feet of Trim

Solid wood / Lumber ornamental trim	2.74%
Plywood / LVL ornamental trim	0.69%
Hardboard or MDF ornamental trim	13.94%
Stucco on foam board ornamental trim	0.00%
Urethane plastic ornamental trim	14.06%
Vinyl (wrap) ornamental trim	16.57%
Fiber cement ornamental trim	14.29%
Wood / PLASTIC composite ornamental trim	0.00%
OSB ornamental trim	7.89%
Aluminum (wrap) ornamental trim	7.54%
Steel ornamental trim	4.11%
Cellular PVC or solid vinyl ornamental trim	6.86%
Other ornamental trim	11.31%
TOTAL	100.00%

US TOTAL

OUTDOOR STRUCTURES

PATIO MATERIAL

Square Feet	
Poured concrete	na
Concrete pavers	na
Brick pavers	na
Natural stone	na
Brick or clay tiles	na
Treated wood block	na
Other	na
TOTAL	na

DECK MATERIAL

Square Feet	
Treated wood	na
Cedar	na
Redwood	na
Other untreated wood	na
PVC, vinyl, or fiberglass	na
Wood / Plastic composite (Trex, etc.)	na
TOTAL	na

PORCH MATERIAL

Square Feet	
Treated wood	na
Cedar	na
Redwood	na
Other untreated wood	na
Tiles: brick or clay	na
Plastic and composites	na
Brick & stone	na
Concrete	na
TOTAL	na

WALKWAY MATERIAL

Linear Feet	
Poured concrete	na
Concrete paver	na
Brick paver or brick / clay tiles	na
Natural stone (include gravel or stone)	na
Treated wood block	na
Asphalt and other	na
TOTAL	na

US TOTAL

FENCING TYPE / MATERIAL

Square Feet of Fence	
Wood -- vertical boards on alternating sides	na
Wood -- vertical boards on one side	na
Wood with horizontal rails / boards	na
Metal	na
Wood/Plastic composite, Vinyl, PVC, or other	na
Stucco on wood frame	na
Stone (natural or synthetic)	na
Brick	na
Concrete (all types)	na
TOTAL	na

LANDSCAPE-RETAINING WALL TYPE / MATERIAL

Square Feet of Landscape / Retaining Wall	
Stone (natural or synthetic)	na
Brick	na
Concrete block	na
Poured concrete	na
Stucco on wood frame	na
Precast concrete	na
Wood timbers (landscape walls)	na
TOTAL	na

WOOD PRODUCTS COUNCIL

Form SP-1143 • February 2009