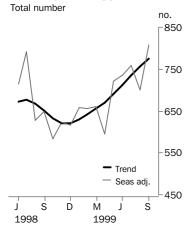


BUILDING APPROVALS

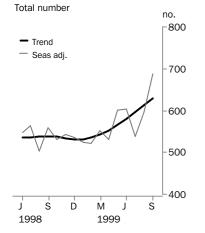
SOUTH AUSTRALIA

EMBARGO: 11:30AM (CANBERRA TIME) TUES 2 NOV 1999

Dwelling units approved



Private sector houses approved



■ For further information about these and related statistics, contact Merv Leaker on Adelaide 08 8237 7585 or Client Services in any ABS office as shown on the back cover of this publication.

SEPTEMBER KEY FIGURES

TREND ESTIMATES	Sep 1999	% change Aug 1999 to Sep 1999	% change Sep 1998 to Sep 1999
Dwelling units approved			
Private sector houses	629	2.6	16.8
Total dwelling units	774	2.4	18.7

SEASONALLY ADJUSTED	Sep 1999	% change Aug 1999 to Sep 1999	% change Sep 1998 to Sep 1999	
Dwelling units approved				
Private sector houses	687	15.3	23.2	
Total dwelling units	807	15.1	24.5	

SEPTEMBER KEY POINTS

TREND ESTIMATES

- The trend for private sector houses increased for the ninth consecutive month and is now 18.7% higher than the last low experienced in December 1998.
- The trend for total dwelling units continued to grow in September and has now increased 24.8% over the last ten months.

SEASONALLY ADJUSTED ESTIMATES

- The seaonally adjusted estimate for private sector houses has increased by 27.7% over the last two months.
- The seaonally adjusted estimate for total dwelling units increased by 15.1% in September following a fall of 7.5% in August.

ORIGINAL ESTIMATES

- There were 907 dwellings approved in September (up 17.6%), the highest since March 1995. Private sector houses contributed to most of the increase, up 68, to 731 houses.
- The value of total building approved in September increased \$24.1 million (18.6%) to \$153.5 million. The value of residential and non–residential buildings approved increased \$12.4 million and \$11.7 million respectively.

N O T E S

FORTHCOMING ISSUES	ISSUE	RELEASE DATE
	October 1999	1 December 1999
	November 1999	6 January 2000
	December 1999	3 February 2000
	January 2000	1 March 2000
	February 2000	30 March 2000
	March 2000	5 May 2000
	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
CHANGES IN THIS ISSUE	There are no changes in this issue.	
	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
DATA NOTES	Geographic Coding - Dwelling approvals are Collection District (CD) level. CD level infor 1999 will be released at the same time as this will be an update for the period July 1998 to Statistical Local Area level.	rmation for the period April 1999 to June s publication. Associated with this release
REVISIONS THIS MONTH	Revisions to non–residential jobs from March million have been made as a result of these r time of approval.	• •

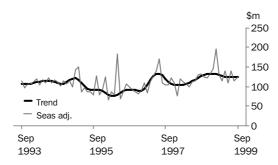
Ian Crettenden Regional Director, South Australia

......

VALUE OF BUILDING APPROVED

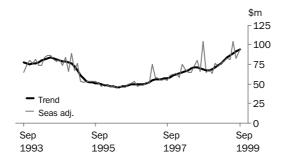
VALUE OF TOTAL BUILDING

The trend has been in decline for the past nine months and is now 6.6% lower than the last high in December 1998.



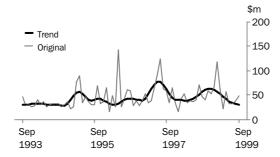
VALUE OF RESIDENTIAL BUILDING

The growth in the trend has continued in September increasing 1.7% but the rate of growth is beginning to ease.



VALUE OF NON-RESIDENTIAL BUILDING

The trend has continued its decline and is now 53.1% lower than the high established in November 1998.



BY SELECTED MATERIALS OF OUTER WALLS

NEW HOUSES

The number of new houses approved in South Australia during 1998–1999 is shown in the table below, for selected types of material of outer walls, together with the distribution of each material type as a percentage of total new houses approved.

NEW HOUSES BY SELECTED MATERIALS OF OUTER WALLS

Material of outer wall	Number of new houses	% of total new houses
Double brick	394	5.8
Brick veneer	3 557	52.6
Stone or concrete	41	0.6
Fibre cement	321	4.7
Timber	251	3.7
Steel, aluminium and other	59	0.9
Not stated	2 138	31.6
Total	6 761	100.0

EFFECT OF NEW SEASONALLY ADJUSTED ESTIMATES ON TREND ESTIMATES

Readers should exercise care when interpreting trend estimates. The last six trend estimates, in particular, are likely to be revised when new seasonally adjusted estimates become available.

TREND REVISIONS

Generally, the greater the volatility of the original series, the larger the size of the revisions to trend estimates. Analysis of the building approval original series has shown that they can be revised substantially. As a result, some months can elapse before turning points in the trend series are reliably identified.

The graphs and tables which follow present the effect of two possible scenarios on the previous trend estimates: that the October seasonally adjusted estimate is higher than the September estimate by 7% for the number of private sector houses approved and 9% for total dwelling units approved; and that the October seasonally adjusted estimate is lower than the September estimate by 7% for the number of private sector houses approved and 9% for total dwelling units approved. These percentages were chosen because they represent the average absolute monthly percentage change for these series over the last ten years.

PRIVATE SECTOR HOUSES

WHAT IF NEXT MONTH'S SEASONALLY ADJUSTED ESTIMATE:



TOTAL DWELLING UNITS

WHAT IF NEXT MONTH'S SEASONALLY ADJUSTED ESTIMATE:



DWELLING UNITS APPROVED

	HOUSES		OTHER DWE	LLINGS	TOTAL DWELLING UNITS	
	Private sector	Total	Private sector	Total	Private sector	Total
Month	no.	no.	no.	no.	no.	no.
			ORIGINAL			
1998						
July	654	660	239	241	893	901
August	528	536	94	98	622	634
September	600	625	117	117	717	742
October	518	542	43	43	561	585
November	540	553	47	53	587	606
December	489	496	67	67	556	563
1999	403	430	01	01	330	303
January	361	371	73	73	434	444
•				73 97		
February	494	510	97		591	607
March	644	683	67	67	711	750
April	487	497	71	71	558	568
May	601	631	52	52	653	683
June	652	673	162	172	814	845
July	615	620	222	222	837	842
August	663	669	102	102	765	771
September	731	772	135	135	866	907
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	CEA6	CONALLY ADJUCTED	• • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • •
1998		SEA	SONALLY ADJUSTED			
	FC4	F.7F			704	704
July	564	575	n.a.	n.a.	781	791
August	502	516	n.a.	n.a.	616	627
September	558	576	n.a.	n.a.	631	648
October	530	554	n.a.	n.a.	547	584
November	542	565	n.a.	n.a.	596	622
December	536	546	n.a.	n.a.	602	615
1999						
January	525	545	n.a.	n.a.	639	659
February	522	541	n.a.	n.a.	630	655
March	551	568	n.a.	n.a.	635	660
April	531	542	n.a.	n.a.	583	596
May	600	637	n.a.	n.a.	699	721
June	603	611	n.a.	n.a.	717	735
July	538	549	n.a.	n.a.	752	758
August	596	597	n.a.	n.a.	696	701
September	687	726	n.a.	n.a.	781	807
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • •
1000		TF	REND ESTIMATES			
1998	505				000	 -
July	535	551	n.a.	n.a.	660	676
August	537	554	n.a.	n.a.	650	667
September	539	557	n.a.	n.a.	632	652
October	537	556	n.a.	n.a.	611	633
November	534	553	n.a.	n.a.	597	620
December	530	548	n.a.	n.a.	597	620
1999						
January	531	549	n.a.	n.a.	606	629
February	536	555	n.a.	n.a.	620	642
March	543	561	n.a.	n.a.	634	655
April	553	571	n.a.	n.a.	652	671
May	565	582	n.a.	n.a.	673	690
June	580	596	n.a.	n.a.	698	713
July	596	612	n.a.	n.a.	722	736
August	613	630			743	756
			n.a.	n.a.		
September	629	647	n.a.	n.a.	760	774

••••••



DWELLING UNITS APPROVED, Percentage Change

	HOUSES		OTHER DWEL	LINGS	TOTAL DWEI	LING UNITS
Month	Private sector	Total	Private sector	Total	Private sector	Total
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • •			• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • •
1998		ORIGINAL (%	change from precedi	ng month)		
July	7.2	3.0	48.4	42.6	15.8	11.2
August	-19.3	-18.8	-60.7	-59.3	-30.3	-29.6
September	13.6	16.6	24.5	19.4	15.3	17.0
October	-13.7	-13.3	-63.2	-63.2	-21.8	-21.2
November	4.2	2.0	9.3	23.3	4.6	3.6
December	-9.4	-10.3	42.6	26.4	-5.3	-7.1
1999	-3.4	-10.5	42.0	20.4	-5.5	-1.1
	-26.2	-25.2	9.0	9.0	-21.9	-21.1
January						
February	36.8	37.5	32.9	32.9	36.2	36.7
March	30.4	33.9	-30.9	-30.9	20.3	23.6
April	-24.4	-27.2	6.0	6.0	-21.5	-24.3
May	23.4	27.0	-26.8	-26.8	17.0	20.2
June	8.5	6.7	211.5	230.8	24.7	23.7
July	-5.7	-7.9	37.0	29.1	2.8	-0.4
August	7.8	7.9	-54.1	-54.1	-8.6	-8.4
September	10.3	15.4	32.4	32.4	13.2	17.6
• • • • • • • • • • • • •	• • • • • • • • • • • • •				• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • •
1000	,	SEASONALLY ADJUS	TED (% change from	preceding month)		
1998		4.0			40.0	40.0
July	3.2	1.8	n.a.	n.a.	12.9	10.6
August	-11.0	-10.3	n.a.	n.a.	-21.1	-20.7
September	11.1	11.6	n.a.	n.a.	2.4	3.3
October	-4.9	-3.8	n.a.	n.a.	-13.4	-9.9
November	2.2	2.0	n.a.	n.a.	9.0	6.5
December	-1.1	-3.4	n.a.	n.a.	1.0	-1.1
1999						
January	-1.9	-0.2	n.a.	n.a.	6.2	7.2
February	-0.6	-0.7	n.a.	n.a.	-1.4	-0.6
March	5.5	5.0	n.a.	n.a.	0.8	0.8
April	-3.6	-4.6	n.a.	n.a.	-8.2	-9.7
May	12.8	17.5	n.a.	n.a.	20.0	21.0
June	0.5	-4.1	n.a.	n.a.	2.6	1.9
July	-10.7	-10.1	n.a.	n.a.	4.8	3.1
August	10.8	8.7	n.a.	n.a.	-7.4	-7.5
September	15.3	21.6	n.a.	n.a.	12.1	15.1
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •			• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
1000		TREND ESTIMATES	6 (% change from pre	eceding month)		
1998						
July	0.1	0.2	n.a.	n.a.	0.2	0.4
August	0.4	0.5	n.a.	n.a.	-1.5	-1.3
September	0.2	0.5	n.a.	n.a.	-2.9	-2.2
October	-0.2	-0.2	n.a.	n.a.	-3.3	-2.9
November	-0.7	-0.5	n.a.	n.a.	-2.2	-2.1
December	-0.6	-0.9	n.a.	n.a.	0.0	0.0
1999						
January	0.2	0.2	n.a.	n.a.	1.5	1.5
February	0.9	1.1	n.a.	n.a.	2.3	2.1
March	1.2	1.1	n.a.	n.a.	2.3	2.0
April	1.8	1.8	n.a.	n.a.	2.8	2.4
May	2.2	1.9	n.a.	n.a.	3.3	2.8
June	2.6	2.4	n.a.	n.a.	3.7	3.3
July	2.7	2.7	n.a.	n.a.	3.4	3.2
August	2.9	2.9	n.a.	n.a.	2.9	2.7
September	2.6	2.7	n.a.	n.a.	2.3	2.4
Ocptorriber	2.0	۷.1	n.a.	11.0.	2.5	۷.٦

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		Alterations			
		and			
	New	additions to	Total	Non-	
	residential	residential	residential	residential	Total
	building	buildings(a)	building	building	building
Month	\$m	\$m	\$m	\$m	\$m
• • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
1998		ORIGIN	AL		
July	78.6	11.8	90.4	40.2	130.6
August	58.5	10.6	69.1	72.1	141.2
September	103.4	13.1	116.5	46.9	163.5
October	55.5	10.8	66.3	40.5	106.9
November	58.0	12.4	70.4	58.3	128.7
December	50.3	10.0	60.3	53.5	113.7
1999	50.5	10.0	00.3	55.5	113.7
January	45.6	9.5	55.1	68.0	123.1
February	58.2	12.4	70.6	118.4	189.0
March	69.1	14.6	83.7	61.1	144.9
April	56.6	10.8	67.4	22.7	90.1
May	69.5	11.4	80.9	57.4	138.3
June	72.3	16.5	88.8	31.7	120.5
July	101.8	14.1	115.9	31.7	147.6
•	76.4				
August September	88.5	15.5	91.9 104.3	37.5 49.2	129.4
September	88.3	15.9		49.2	153.5
	• • • • • • • • • • • • • • • • • • • •	SEASONALLY A		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
1998		SEASUNALLY A	ADJUSTED		
July	70.1	10.9	80.9	n.a.	116.0
August	55.9	10.7	66.6	n.a.	130.1
September	94.0	10.9	104.9	n.a.	133.1
October	54.1	10.4	64.5	n.a.	123.8
November	56.8	11.9	68.7	n.a.	123.5
December	54.3	10.2	64.4	n.a.	132.5
1999	34.3	10.2	04.4	n.a.	102.0
January	64.6	12.2	76.7	n.a.	145.6
February	59.2	13.4	72.7	n.a.	195.6
March	63.7	12.8	76.5	n.a.	129.2
April	66.8	12.1	79.0	n.a.	115.2
May	70.1	12.6	82.7	n.a.	139.1
June	66.8	15.4	82.2	n.a.	109.4
July	90.5	14.4	104.9	n.a.	140.3
August	67.9	15.1	82.9	n.a.	115.5
September	80.6	13.7	94.2	n.a.	125.2
• • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • •	• • • • • • • • • • • • • • • •	• • • • • • • • • • •
		TREND ESTI	MATES		
1998					
July	60.6	10.6	71.1	46.9	118.0
August	59.6	10.7	70.2	51.8	122.0
September	58.2	10.7	68.9	57.4	126.4
October	56.9	10.9	67.8	62.1	129.9
November	56.4	11.2	67.6	64.2	131.7
December	57.3	11.5	68.8	63.9	132.7
1999					
January	59.0	11.9	70.8	61.7	132.6
February	61.3	12.3	73.6	57.9	131.5
March	64.0	12.7	76.7	53.1	129.8
April	67.0	13.1	80.1	47.4	127.5
May	70.0	13.6	83.6	41.9	125.5
June	72.9	13.9	86.9	37.7	124.6
July	75.5	14.3	89.8	34.5	124.3
August	77.7	14.5	92.2	31.9	124.2
September	79.1	14.7	93.8	30.1	123.9

⁽a) Refer to Explanatory Notes paragraph 12.



		Alterations			
		and			
	New	additions to	Total	Non-	
	residential	residential	residential	residential	Total
Month	building	buildings(a)	building	building	building
• • • • • • • • • • • • • • • • • • • •			• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • •
1998	OF	RIGINAL (% change fror	n preceding month)		
July	12.3	15.2	12.6	10.1	11.9
August	-25.6	-10.5	-23.6	79.5	8.1
September	-23.6 76.6	24.6	68.7	-34.9	15.8
October	-46.3	-17.8	-43.1	-34.9 -13.7	-34.6
November	4.5	14.4	6.1	43.9	20.5
December	-13.4	-19.0	-14.4	-8.3	-11.6
	-13.4	-19.0	-14.4	-8.3	-11.6
1999	0.2	F.0	0.0	07.2	0.0
January	-9.3	-5.2	-8.6	27.3	8.2
February	27.6	30.4	28.1	74.1	53.5
March	18.8	18.0	18.6	-48.4	-23.4
April	-18.1	-25.9	-19.5	-62.9	-37.8
May	22.8	5.5	20.0	152.7	53.5
June	4.1	44.5	9.8	-44.8	-12.9
July	40.8	-14.7	30.5	0.1	22.5
August	-24.9	10.0	-20.7	18.3	-12.3
September	15.8	2.4	13.5	31.1	18.6
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • •	• • • • • • • • • • • • • •	• • • • • • • • • •
	SEASONA	LLY ADJUSTED (% char	nge from preceding m	onth)	
1998					
July	12.1	3.1	10.8	n.a.	2.9
August	-20.2	-1.7	-17.8	n.a.	12.1
September	68.2	1.9	57.5	n.a.	2.3
October	-42.4	-4.5	-38.5	n.a.	-7.0
November	5.0	14.8	6.6	n.a.	-0.2
December	-4.4	-14.8	-6.2	n.a.	7.2
1999					
January	19.0	19.7	19.1	n.a.	9.9
February	-8.3	10.6	-5.3	n.a.	34.3
March	7.6	-5.0	5.2	n.a.	-33.9
April	4.9	-5.2	3.2	n.a.	-10.9
May	4.8	4.2	4.7	n.a.	20.8
June	-4.6	21.7	-0.6	n.a.	-21.3
July	35.4	-6.2	27.7	n.a.	28.3
August	-25.0	4.6	-21.0	n.a.	-17.7
September	18.7	-9.3	13.6	n.a.	8.4
• • • • • • • • • • • • • •			• • • • • • • • • • • • • • •		
	TREND	ESTIMATES (% change	e from preceding mon	th)	
1998					
July	-0.2	2.0	0.2	8.4	3.3
August	-1.6	1.0	-1.2	10.4	3.4
September	-2.3	0.8	-1.8	10.9	3.6
October	-2.2	1.5	-1.7	8.0	2.7
November	-0.9	2.5	-0.4	3.4	1.5
December	1.6	2.9	1.8	-0.4	0.7
1999	•	-	-		- *
January	3.0	3.2	3.0	-3.5	-0.1
February	4.0	3.2	3.9	-6.1	-0.8
March	4.4	3.5	4.2	-8.4	-1.3
April	4.7	3.5	4.5	-3.4 -10.8	-1.3 -1.8
May	4.7 4.5	3.3	4.3	-10.8 -11.5	-1.6
June	4.1	2.8	3.9	-10.0	-0.7
July	3.6	2.4	3.4	-8.5 7.4	-0.2
August	2.9	1.7	2.7	-7.4	-0.1
September	1.8	1.3	1.7	-5.7	-0.2

⁽a) Refer to Explanatory Notes paragraph 12.

Period	New houses	New other residential building	Alterations and additions to residential buildings	Conversion(a)	Non- residential building(a)	Total dwelling units
• • • • • • • • • • • • • •	• • • • • • • • • • • • •	PRIV	ATE SECTOR (Numbe	er)	• • • • • • • • • • • • •	• • • • • • • • •
1996-1997	5 508	613	11	8	8	6 148
1997-1998	6 177	726	9	75	10	6 997
1998-1999	6 555	1 012	11	118	1	7 697
1998						
September	600	117	0	0	0	717
October	518	43	0	0	0	561
November	539	44	3	1	0	587
December	486	62	4	3	1	556
1999						
January	361	73	0	0	0	434
February	493	95	0	3	0	591
March	643	66	1	1	0	711
April	487	71	0	0	0	558
May	599	52	0	2	0	653
June	650	57	2	105	0	814
July	614	219	0	3	1	837
August September	663 730	100 130	1	0 5	1 1	765 866
• • • • • • • • • • • • • • • • • • •	130	• • • • • • • • • • • • •	• • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		
		PUB	LIC SECTOR (Number	er)		
1996-1997	96	17	0	3	0	116
1997-1998	193	23	2	0	0	218
1998-1999	206	22	3	0	0	231
1998						
September	25	0	0	0	0	25
October	24	0	0	0	0	24
November	13	6	0	0	0	19
December	7	0	0	0	0	7
1999						
January	10	0	0	0	0	10
February	16	0	0	0	0	16
March	39	0	0	0	0	39
April	10	0	0	0	0	10
May	30	0	0	0	0	30
June	18	10	3	0	0	31
July	5	0	0	0	0	5
August	6	0	0	0	0	6
September	41	0	0	0	0	41
• • • • • • • • • • • • • •	• • • • • • • • • • • • •	• • • • • • • • • • • • •	TOTAL (Number)	• • • • • • • • • • • • • • • •	• • • • • • • • • • • • • •	• • • • • • • • • •
1006 1007	5 604	630	11	11	8	6 264
1996-1997 1997-1998	6 370	749	11	75	10	7 215
1998-1999	6 761	1 034	14	118	1	7 928
1998 September	SOF	117	0	^	^	740
September October	625 542	117 43	0 0	0 0	0 0	742 585
November	542 552	50	3	1	0	606
December	493	62	4	3	1	563
1999	755	02	7	3	-	303
January	371	73	0	0	0	444
February	509	95	0	3	0	607
March	682	66	1	1	0	750
April	497	71	0	0	0	568
May	629	52	0	2	0	683
June	668	67	5	105	0	845
July	619	219	0	3	1	842
August	669	100	1	0	1	771
September	771	130	0	5	1	907
	(a) See Glos	sary for definition.				

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	New	New other residential	Alterations and additions creating	Alterations and additions not creating		Total residential	Non- residential	Total
Period	houses	building	dwellings	dwellings	Conversion(a)	building	building (a)	building
• • • • • • • • • • •	• • • • • • • • •	• • • • • • • • • •	PRIVAT	E SECTOR (\$ mil	llion)	• • • • • • • •	• • • • • • • • • •	• • • • • • • •
1996-1997	462.9	44.0	0.6	113.8	0.6	621.8	422.4	1 044.2
1997-1998	553.2	61.1	0.6	118.3	7.6	740.7	471.9	1 212.7
1998-1999	624.9	132.6	0.4	136.5	4.5	898.9	443.0	1 341.9
1998								
September	58.7	43.0	0.0	12.9	0.0	114.7	30.5	145.2
October	49.2	4.7	0.0	10.8	0.0	64.7	34.3	99.0
November	52.3	4.1	0.2	12.2	0.0	68.8	43.3	112.3
December	45.3	4.5	0.1	9.8	0.0	59.8	24.7	84.5
1999	22.2	0.7	0.0	0.5	2.2	E4.4	40.0	
January February	36.2	8.7	0.0	9.5	0.0	54.4	12.3 92.6	66.7
March	45.5 60.6	11.3 5.2	0.0 0.0	12.1 14.0	0.1 0.0	69.1 79.8	92.6 48.1	161.6 128.0
April	47.8	7.4	0.0	10.3	0.0	65.5	12.9	78.4
May	58.4	8.3	0.0	11.2	0.2	78.1	32.8	110.9
June	64.4	5.8	0.1	12.3	4.0	86.5	27.4	113.9
July	62.3	39.0	0.0	13.2	0.2	114.8	27.2	141.9
August	63.0	12.9	0.0	15.3	0.0	91.3	28.0	119.3
September	73.8	11.4	0.0	15.3	0.4	100.9	29.0	129.9
• • • • • • • • • •	• • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	PURU	C SECTOR (\$ mill	lion)	• • • • • • • • •	• • • • • • • • • • • •	• • • • • • • •
1996-1997	7.4	1.3	0.0	1.3	0.3	10.3	158.4	168.7
1997-1998	14.5	1.4	0.1	1.2	0.0	17.2	130.3	147.5
1998-1999	16.4	1.7	0.1	2.4	0.0	20.7	227.9	248.5
1998								
September	1.6	0.0	0.0	0.2	0.0	1.9	16.4	18.3
October	1.6	0.0	0.0	0.0	0.0	1.6	6.2	7.9
November	1.0	0.6	0.0	0.0	0.0	1.6	15.1	16.7
December	0.5	0.0	0.0	0.1	0.0	0.5	28.7	29.2
1999 January	0.7	0.0	0.0	0.0	0.0	0.7	55.7	56.4
February	1.4	0.0	0.0	0.0	0.0	1.5	25.9	27.4
March	3.3	0.0	0.0	0.6	0.0	3.9	13.0	16.9
April	1.4	0.0	0.0	0.6	0.0	1.9	9.8	11.7
May	2.8	0.0	0.0	0.0	0.0	2.8	24.6	27.4
June	1.4	0.8	0.1	0.0	0.0	2.3	4.3	6.6
July	0.5	0.0	0.0	0.6	0.0	1.1	4.6	5.6
August	0.5	0.0	0.0	0.1	0.0	0.6	9.5	10.1
September	3.3	0.0	0.0	0.1	0.0	3.4	20.2	23.6
• • • • • • • • • •	• • • • • • • • •	• • • • • • • • • •	T(OTAL (\$ million)	• • • • • • • • • • •	• • • • • • • •	• • • • • • • • • •	• • • • • • •
4000 4005	4=0.0	45.0			2.2	202 1	500 5	4 ***
1996-1997	470.2	45.3	0.6	115.1	0.9	632.1	580.7	1 212.8
1997-1998 1998-1999	567.7 641.3	62.5 134.3	0.7 0.5	119.5 138.9	7.6 4.5	758.0 919.6	602.2 670.9	1 360.1 1 590.5
1998 September	60.3	12.0	0.0	10.4	0.0	116 E	46.0	460.5
September October	60.3 50.8	43.0 4.7	0.0 0.0	13.1 10.8	0.0 0.0	116.5 66.3	46.9 40.5	163.5 106.9
November	50.8 53.3	4. <i>1</i> 4.8	0.0	10.8	0.0	70.4	58.3	106.5
December	45.8	4.6 4.5	0.1	9.9	0.0	60.3	53.5	113.7
1999	75.0	1.5	V.±	5.5	0.0	55.5	00.0	110.
January	36.9	8.7	0.0	9.5	0.0	55.1	68.0	123.1
February	46.9	11.3	0.0	12.2	0.1	70.6	118.4	189.0
March	63.9	5.2	0.0	14.6	0.0	83.7	61.1	144.9
April	49.2	7.4	0.0	10.8	0.0	67.4	22.7	90.2
May	61.2	8.3	0.0	11.3	0.2	80.9	57.4	138.3
June	65.7	6.6	0.2	12.3	4.0	88.8	31.7	120.5
July	62.8	39.0	0.0	13.8	0.2	115.9	31.7	147.6
August	63.5	12.9	0.0	15.5	0.0	91.9	37.5	129.4
September	77.1	11.4	0.0	15.4	0.4	104.3	49.2	153.5

(a) See Glossary for definition.

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DWELLING UNITS APPROVED IN NEW RESIDENTIAL BUILDING(a): Original

NEW OTHER RESIDENTIAL BUILDING

	New houses		ed, row or terr etc of		Flats, units	or apartments	in a building of		Total	Total new residential building
Period		One storey	Two or more storeys	Total	One or two storeys	Three storeys	Four or more storeys	Total		
				NUMBER OF	DWELLING	UNITS				
1996-1997	5 604	492	86	578	20	30	2	52	630	6 234
1997-1998	6 370	467	154	621	49	18	61	128	749	7 119
1998-1999	6 761	381	309	690	53	105	186	344	1 034	7 795
1998										
July	658	47	65	112	49	53	27	129	241	899
August	535	36	57	93	4	0	0	4	97	632
September	625	29	8	37	0	0	80	80	117	742
October	542	19	24	43	0	0	0	0	43	585
November	552	34	16	50	0	0	0	0	50	602
December	493	48	14	62	0	0	0	0	62	555
1999										
January	371	16	13	29	0	44	0	44	73	444
February	509	24	10	34	0	0	61	61	95	604
March	682	36	22	58	0	8	0	8	66	748
April May	497 629	38 24	33 10	71 34	0	0	0 18	0 18	71 52	568 681
June	668	30	37	67	0	0	0	0	67	735
July	619	86	20	106	2	31	80	113	219	838
August	669	65	13	78	4	0	18	22	100	769
September	771	82	48	130	0	0	0	0	130	901
• • • • • • • • • •		• • • • • • • •	• • • • • • •	• • • • • • • •		• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • •
				VALUI	E (\$ million)				
1996-1997	470.1	30.9	9.5	40.3	1.9	3.1	0.0	5.1	45.1	515.5
1997-1998	567.7	32.8	14.2	47.2	3.0	1.8	10.6	15.4	62.5	630.1
1998-1999	641.4	29.4	33.7	63.0	5.5	9.2	56.5	71.2	134.2	775.6
1998										
July	58.1	3.4	6.1	9.5	5.3	2.7	3.0	11.0	20.5	78.6
August	49.3	2.8	6.3	9.0	0.2	0.0	0.0	0.2	9.2	58.5
September	60.3	2.2	0.8	3.0	0.0	0.0	40.0	40.0	43.0	103.4
October	50.8	1.7	3.0	4.7	0.0	0.0	0.0	0.0	4.7	55.5
November	53.3	3.1	1.7	4.8	0.0	0.0	0.0	0.0	4.8	58.0
December	45.8	3.2	1.3	4.5	0.0	0.0	0.0	0.0	4.5	50.3
1999										
January	36.9	1.1	1.9	3.0	0.0	5.7	0.0	5.7	8.7	45.6
February	46.9	2.2	0.8	3.0	0.0	0.0	8.3	8.3	11.3	58.2
March	63.9	2.4	2.0	4.4	0.0	0.8	0.0	0.8	5.2	69.1
April May	49.2 61.2	3.1	4.3	7.4	0.0	0.0	0.0	0.0	7.4	56.6
May June	61.2 65.7	1.8 2.4	1.4 4.1	3.1 6.6	0.0 0.0	0.0 0.0	5.2 0.0	5.2 0.0	8.3 6.6	69.5 72.3
July	62.8	6.3	1.9	8.3	0.0	2.8	27.8	30.7	39.0	101.8
August	63.5	5.2	2.4	7.6	0.2	0.0	5.0	5.3	12.9	76.4
September	77.1	5.9	5.5	11.4	0.0	0.0	0.0	0.0	11.4	88.5

⁽a) See Glossary for definition.



Period	New houses	New other residential building	New residential building	Alterations and additions to residential buildings(b)	Total residential building	Non-residential building	Total building
• • • • • • • • • • • •	• • • • • • • • • • • •	• • • • • • • • • •	• • • • • • • • • • •	• • • • • • • • • • • •	• • • • • • • • • • •	• • • • • • • • • • • •	• • • • • • • • • • • •
			ORIGINAL	(\$ million)			
1996-1997	477.2	46.6	523.8	118.3	642.1	587.8	1 230.1
1997-1998	567.7	62.5	630.2	127.7	758.0	602.2	1 360.1
1998-1999	616.6	131.0	747.6	138.4	886.0	647.8	1 533.8
1998							
March	138.9	17.5	156.4	33.2	189.6	111.6	301.1
June	145.1	20.8	165.9	28.3	194.3	108.7	302.9
September	163.2	71.3	234.5	34.5	269.0	157.9	426.9
December	146.0	13.7	159.6	32.3	192.0	150.5	342.5
1999							
March	141.4	24.5	165.9	34.9	200.8	238.8	439.6
June	166.1	21.5	187.7	36.6	224.2	100.6	324.8
• • • • • • • • • • • •	• • • • • • • • • • • •	ODIOIN	IAL (0/ shares 5			• • • • • • • • • • • • •	• • • • • • • • • • •
1998		ORIGIN	NAL (% change i	rom preceding qu	arter)		
March	0.4	52.8	4.4	-0.7	3.5	-16.5	-5.0
June	4.5	18.7	6.1	-0.7 -14.7	2.5	-10.5 -2.6	-3.0 0.6
September	12.4	242.6	41.3	21.8	38.5	-2.0 45.3	40.9
December	-10.5	-80.8	-31.9	-6.3	-28.6	-4.7	-19.8
1999	10.5	00.0	31.3	0.0	20.0	7.1	13.0
March	-3.1	79.1	3.9	8.1	4.6	58.7	28.4
June	17.5	-12.0	13.2	4.7	11.7	-57.9	-26.1

⁽a)Reference year for chain volume measures is 1997-98. Refer to Explanatory Notes paragraph 20-21.

⁽b) Refer to Explanatory Notes paragraph 12.



NON-RESIDENTIAL BUILDING APPROVED, Jobs By Value Range: Original

	other	, motels and short term modation	Shops .		Factor	ies	Offices		Other b	usiness es	Educati	onal
Period	no.	\$m	no.	\$m	no.	\$m	no.	\$m	no.	\$m	no.	\$m
• • • • • • • • • •	• • • • •	• • • • • • • •	• • • • • •	Val	¢ F	50,000-\$19	0 000	• • • • • • • • •	• • • • •	• • • • • • • •	• • • • •	• • • • • • •
1999				Vai	ue—şt	00,000-\$19	9,999					
July	2	0.1	11	1.0	5	0.4	7	0.6	14	1.5	1	0.2
August	4	0.3	12	1.1	5	0.5	7	0.7	13	1.3	5	0.7
September	0	0.0	19	1.7	2	0.2	11	0.8	27	2.5	4	0.4
• • • • • • • • • • •	• • • • • •	• • • • • • • •	• • • • • •	Valu	ue—\$2	00,000-\$49	99,999	• • • • • • • • •	• • • • •	• • • • • • • •	• • • • •	• • • • • • •
1999												
July	1	0.2	1	0.3	3	0.9	1	0.3	5	1.7	4	1.4
August	4	1.0	3	1.0	3	0.8	4	1.2	3	0.8	5	2.2
September	2	0.6	8	2.3	1	0.4	6	1.7	3	0.9	3	1.1
• • • • • • • • • • •	• • • • • •		• • • • • •	Valu	ue—\$5	00,000-\$99	99,999	• • • • • • • • •	• • • • •	• • • • • • • •	• • • • •	• • • • • • •
1999												
July	0	0.0	2	1.4	0	0.0	1	0.6	2	1.5	2	1.2
August	0	0.0	0	0.0	1	0.6	0	0.0	0	0.0	1	0.6
September	0	0.0	0	0.0	2	1.1	1	0.8	1	0.6	2	1.1
• • • • • • • • • • •	• • • • • •	• • • • • • • •	• • • • • •	Value	 \$1.0	00,000-\$4,	999.99	9	• • • • •	• • • • • • • •	• • • • • •	• • • • • • •
1999					. ,-	, , , , , ,	, , , ,					
July	0	0.0	1	1.6	0	0.0	1	1.2	0	0.0	1	2.4
August	1	1.2	1	3.0	1	1.0	1	1.1	1	2.5	6	9.1
September	1	1.2	4	6.5	0	0.0	3	8.6	1	1.3	0	0.0
• • • • • • • • • • •	• • • • •	• • • • • • • •	• • • • • •	Valı	ıe—\$5	,000,000 aı	nd over	• • • • • • • • •	• • • • •	• • • • • • • •	• • • • •	• • • • • • •
1999				van	άς ψο	,000,000 a	ia over					
July	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
August	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
September	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
• • • • • • • • • •	• • • • •	• • • • • • • •	• • • • •	• • • • • • • • •	Va	alue—Total	• • • • •	• • • • • • • • •	• • • • •	• • • • • • • •	• • • • •	• • • • • •
1000 1000												
1996-1997	43	42.4	239	106.2	93	26.1	212	93.2	193	93.3	112	61.0
1997-1998 1998-1999	46 36	9.1 25.2	340 231	85.6 128.1	98 69	129.3 35.4	194 173	79.5 65.0	204 241	88.7 141.3	113 121	82.1 136.2
1990-1999	30	25.2	231	120.1	09	33.4	1/3	65.0	241	141.5	121	130.2
1999												
July	3	0.3	15	4.3	8	1.3	10	2.7	21	4.6	8	5.1
August	9	2.4	16	5.1	10	2.8	12	2.9	17	4.6	17	12.6
September	3	1.8	31	10.5	5	1.6	21	11.9	32	5.2	9	2.6



	Religious	s	Health			nment and onal	Miscella	neous	Total non-ı building	residential
Period	no.	\$m	no.	\$m	no.	\$m	no.	\$m	no.	\$m
• • • • • • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • •	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0 000 ¢1	00 000	• • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • •
1999				Value—\$5	0,000-\$1	99,999				
July	0	0.0	2	0.2	3	0.2	8	0.7	53	5.2
August	1	0.1	1	0.2	0	0.0	8	0.8	56	5.8
September	2	0.2	4	0.3	2	0.1	4	0.3	75	6.5
• • • • • • • • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • •	Value #20	0000 f	100,000	• • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • •
1999				Value—\$20	0,000-\$2	199,999				
July	0	0.0	3	1.0	1	0.3	1	0.3	20	6.2
August	1	0.3	3	0.9	0	0.0	1	0.4	27	8.4
September	0	0.0	1	0.3	2	0.6	2	0.5	28	8.4
• • • • • • • • • • • • • • • • • • • •				• • • • • • • •	• • • • • • •	• • • • • • • • •				• • • • • • •
1999				Value—\$50	00,000-\$9	99,999				
July	0	0.0	1	0.5	0	0.0	2	1.4	10	6.5
August	0	0.0	3		-	0.0	0	0.0	5	3.2
September	1	0.0	3 1	0.6	0	0.0	0	0.0	5 8	3. ₂ 4.6
• • • • • • • • • • •	• • • • • • •	• • • • • • • • •		/alue—\$1,00		1.999.999	• • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • •
1999			•	42,00	, , , , , , ,	.,000,000				
July	0	0.0	2	2.8	0	0.0	0	0.0	5	8.0
August	0	0.0	2	2.4	0	0.0	0	0.0	13	20.2
September	1	1.3	2	3.0	0	0.0	0	0.0	12	21.8
• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • •	Value—\$5,		and over	• • • • • • •	• • • • • • • • • •	• • • • • • • •	• • • • • • •
1999				value—\$5,	000,000 8	alla over				
July	1	6.0	0	0.0	0	0.0	0	0.0	1	6.0
August	0	0.0	Ö	0.0	0	0.0	0	0.0	0	0.0
September	0	0.0	1	7.9	0	0.0	0	0.0	1	7.9
• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • •
				Val	ue—Total					
1996-1997	11	2.2	51	66.0	68	37.7	95	52.6	1 117	580.7
1997-1998	10	5.3	57	46.5	59	58.4	67	17.6	1 188	602.2
1998-1999	13	1.8	40	61.6	63	46.2	67	30.1	1 054	670.9
1999										
July	1	6.0	8	4.5	4	0.5	11	2.4	89	31.7
August	2	0.4	9	5.5	0	0.0	9	1.2	101	37.5

Period	Hotels, motels and other short term accomm- odation	Shops	Factories	Offices	Other business premises	Educational	Religious	Health	Entertain- ment and recreational	Miscell- aneous	Total non- residential building
• • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • •	DDIVATE	0.000000	Φ	• • • • • • •	• • • • • •	• • • • • • • •	• • • • • • •	-
					SECTOR (
1996-1997 1997-1998	38.9 8.6	102.6 82.7	23.9 128.9	56.8 59.9	84.8 85.9	16.6 19.0	2.2 5.3	50.0 20.0	13.0 50.6	33.7 10.9	422.4 471.9
1998-1999	24.2	126.3	34.8	48.3	120.0	24.2	1.8	23.7	27.5	12.2	443.0
1998											
September	4.8	6.1	3.6	4.9	9.3	0.0	0.0	0.3	0.2	1.4	30.5
October	0.1	4.1	2.0	7.6	7.1	1.9	0.0	5.9	1.3	4.3	34.3
November December	0.1 0.0	3.5 8.3	13.2 0.7	3.1 1.3	10.7 3.8	1.4 6.5	0.2 0.0	8.5 2.8	2.6 0.1	0.0 1.2	43.3 24.7
1999	0.0	0.5	0.1	1.5	5.0	0.5	0.0	2.0	0.1	1.2	24.1
January	1.0	1.1	0.4	1.1	4.9	2.2	0.4	0.0	0.5	0.7	12.3
February	0.2	66.8	0.5	1.1	7.6	1.3	0.3	2.0	12.8	0.1	92.6
March	0.6	9.6	0.4	9.1	22.3	1.8	0.1	2.0	2.0	0.2	48.1
April May	3.4 0.2	2.2	0.7	2.5 1.1	2.7 7.8	0.5 4.0	0.2	0.0 0.1	0.1 6.1	0.7 0.6	12.9 32.8
June	0.2	10.2 5.2	2.5 1.2	7.0	7.8 8.9	2.2	0.2 0.1	0.1	0.1	1.8	32.8 27.4
July	0.3	4.3	1.2	2.7	4.6	1.5	6.0	3.8	0.4	2.2	27.2
August	2.2	5.1	2.8	2.9	4.5	6.5	0.4	2.4	0.0	1.1	28.0
September	1.8	10.5	1.6	4.2	5.2	1.5	2.0	1.2	0.3	8.0	29.0
• • • • • • • • • •	• • • • • • • • • •	• • • • • • •	• • • • • •	PUBLIC	SECTOR (\$ million)	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •
1996-1997	3.5	3.6	2.2	36.4	8.5	44.5	0.0	16.0	24.7	18.9	158.4
1997-1998	0.5	2.9	0.4	19.6	2.8	63.2	0.0	26.4	7.8	6.7	130.3
1998-1999	1.0	1.7	0.6	16.7	21.4	112.0	0.0	37.9	18.7	17.9	227.9
1998											
September October	0.3	1.2	0.0	1.2 0.4	0.1	3.4	0.0	10.3 1.3	0.0	0.1	16.4
November	0.1 0.2	0.0	0.0 0.0	1.3	0.0 5.0	4.2 5.9	0.0	1.3	0.1 1.3	0.2 0.0	6.2 15.1
December	0.0	0.4	0.3	4.1	0.1	16.7	0.0	0.0	2.2	4.9	28.7
1999											
January	0.0	0.1	0.0	2.7	0.0	43.0	0.0	0.0	0.0	9.9	55.7
February	0.0	0.1	0.2	2.7	0.4	14.5	0.0	5.1	2.9	0.0	25.9
March April	0.0 0.1	0.0 0.0	0.0 0.0	1.0 0.0	0.4 6.1	9.8 1.1	0.0	0.4 0.4	1.2 1.5	0.2 0.7	13.0 9.8
May	0.0	0.0	0.0	0.0	1.6	4.3	0.0	18.3	0.1	0.1	24.6
June	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.9	3.0	0.1	4.3
July	0.0	0.0	0.1	0.0		3.6	0.0	0.7	0.1	0.2	4.6
August	0.2	0.0	0.0	0.0	0.1	6.1	0.0	3.1	0.0	0.1	9.5
September	0.0	0.0	0.0	7.7	0.0	1.1	0.0	10.9	0.4	0.0	20.2
				TO [·]	TAL (\$ mil	lion)	• • • • • •				
1996-1997	42.4	106.2	26.1	93.2	93.3	61.0	2.2	66.0	37.7	52.6	580.7
1997-1998	9.1	85.6	129.3	79.5	88.7	82.1	5.3	46.5	58.4	17.6	602.2
1998-1999	25.2	128.1	35.4	65.0	141.3	136.2	1.8	61.6	46.2	30.1	670.9
1998											
September	5.0	7.3	3.6	6.1	9.4	3.4	0.0	10.6	0.2	1.4	46.9
October November	0.2 0.3	4.1 3.5	2.0 13.2	8.0 4.4	7.1 15.7	6.1 7.3	0.0 0.2	7.2 9.8	1.4 3.9	4.5 0.0	40.5 58.3
December	0.0	8.7	1.1	5.4	3.9	23.2	0.2	2.8	2.3	6.2	53.5
1999	5.5	0.7	1.1	0.1	0.0	20.2	0.0	2.0		0.2	30.0
January	1.0	1.2	0.4	3.9	4.9	45.3	0.4	0.0	0.5	10.5	68.0
February	0.2	66.9	0.7	3.8	8.0	15.8	0.3	7.0	15.7	0.1	118.4
March	0.6	9.6	0.4	10.1	22.7	11.6	0.1	2.4	3.2	0.4	61.1
April May	3.6 0.2	2.2 10.2	0.7 2.5	2.5 1.2	8.7 9.5	1.6 8.3	0.2 0.2	0.4 18.4	1.6 6.3	1.3 0.7	22.7 57.4
June	0.4	5.2	1.2	7.2	8.9	2.4	0.2	1.3	3.1	2.0	31.7
July	0.3	4.3	1.3	2.7	4.6	5.1	6.0	4.5	0.5	2.4	31.7
August	2.4	5.1	2.8	2.9	4.6	12.6	0.4	5.5	0.0	1.2	37.5
September	1.8	10.5	1.6	11.9	5.2	2.6	2.0	12.1	0.8	0.8	49.2

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DWFILINGS (no.)....

(a) Refer to footnote (a) in Table 12.

BUILDING APPROVED IN THE ADELAIDE STATISTICAL DIVISION: Original

(b) Refer to Explanatory Notes paragraph 12.

BUILDING APPROVED IN STATISTICAL AREAS

		New other			New other	Alterations and additions to	d Total	Non-	
Statistical area	New houses	residential building	Total dwellings(a)	New houses	residential buildings	residential buildings(b)	residential building	residential building	Total building
			-		-				• • • • • •
SOUTH AUSTRALIA	771	130	907	77 069	11 382	15 864	104 314	49 199	153 513
Adelaide (SD)	518	106	629	53 877	9 443	12 098	75 418	33 567	108 985
Northern Adelaide (SSD)	257	6	263	24 956	420	1 264	26 640	9 366	36 007
Gawler (M)	24	0	24	2 270	0	131	2 401	80	2 481
Playford (C)-East Central	29	0	29	2 695	0	22	2 717	0	2 717
Playford (C)–Elizabeth	0	0	0	0	0	43	43	0	43
Playford (C)-Hills	2	0	2	207	0	0	207	0	207
Playford (C)-West	3	0	3	263	0	16	278	0	278
Playford (C)–West Central	7	0	7	577	0	15	592	0	592
Port Adel. Enfield (C)–East Port Adel. Enfield (C)–Inner	38 6	0 0	38 6	3 590 551	0 0	198 65	3 788 616	0 0	3 788 616
Salisbury (C)–Central	10	0	10	983	0	58	1 040	635	1 675
Salisbury (C)–Inner North	13	0	13	975	0	0	975	300	1 275
Salisbury (C)-North-East	11	0	11	1 076	0	44	1 120	0	1 120
Salisbury (C)-South-East	35	0	35	3 380	0	67	3 447	160	3 607
Salisbury (C) Bal	20	0	20	2 202	0	0	2 202	4 700	6 902
Tea Tree Gully (C)-Central	2	0	2	159	0	397	556	0	556
Tea Tree Gully (C)-Hills	1	0	1	99	0	24	123	541	664
Tea Tree Gully (C)—North	45	6	51	4 297	420	36	4 753	0	4 753
Tea Tree Gully (C)-South	11	0	11	1 633	0	149	1 782	2 950	4 732
Western Adelaide (SSD)	62	8	72	5 972	550	2 309	8 830	3 238	12 069
Charles Sturt (C)-Coastal	17	0	17	1 902	0	667	2 569	623	3 192
Charles Sturt (C)-Inner East	3	3	6	342	200	242	783	281	1 064
Charles Sturt (C)–Inner West	7	0	7	678	0	178	857	170	1 027
Charles Sturt (C)-North-East	8	0	8	567	0	231	798	1 970	2 768
Port Adel, Enfield (C) Port	5	0	5	541	0	266	807	0	807
Port Adel. Enfield (C)-Port West Torrens (C)-East	5 8	0 5	7 13	471 544	0 350	189 275	660 1 169	80 115	740 1 284
West Torrens (C)-West	9	0	9	927	0	261	1 188	0	1 188
Unincorp. Western	0	0	0	0	0	0	0	0	0
Eastern Adelaide (SSD)	72	45	119	9 181	5 163	4 737	19 082	15 872	34 954
Adelaide (C)	0	3	5	0	310	637	947	11 410	12 357
Adelaide Hills (DC)-Central	4	0	4	519	0	92	611	0	611
Adelaide Hills (DC)-Ranges	3	0	3	325	0	105	430	0	430
Burnside (C)–North-East	6	0	6	1 189	0	321	1 510	447	1 956
Burnside (C)-South-West	5	9	14	656	900	886	2 442	380	2 822
Campbelltown (C)–East	19	0	19	2 426	0	219	2 646	1 250	3 896
Campbelltown (C)–West Norw. P'ham St Ptrs (C)–East	9	0	9	844	0	220	1 064	270	1 334
Norw. Pham St Ptrs (C)–East Norw. Pham St Ptrs (C)–West	5 4	4 16	9 20	426 474	440 2 050	187 908	1 053 3 432	115 160	1 168 3 592
Prospect (C)	8	4	12	1 175	433	497	2 106	145	2 251
Unley (C)–East	5	5	10	620	520	142	1 282	1 350	2 632
Unley (C)-West	0	2	2	0	160	263	423	345	768
Walkerville (M)	4	2	6	527	350	261	1 138	0	1 138
Southern Adelaide (SSD)	127	47	175	13 768	3 310	3 788	20 865	5 091	25 956
Holdfast Bay (C)-North	4	0	4	403	0	584	987	802	1 789
Holdfast Bay (C)-South	6	2	9	473	450	293	1 216	0	1 216
Marion (C)–Central	15	2	17	1 628	200	383	2 211	1 697	3 908
Marion (C) North	8	2	10	1 291	210	491	1 992	102	2 094
Marion (C) Hills	20	0	20	2 079	0	98	2 177	0	2 177
Mitcham (C)-Hills Mitcham (C)-North-East	5 3	0 0	5 3	1 028 480	0 0	302 559	1 330 1 039	0 920	1 330 1 959
Mitcham (C)–West	2	0	2	337	0	425	762	200	962
Onkaparinga (C)–Hackham	4	0	4	426	0	40	466	0	466
Onkaparinga (C)-Hills	3	Ö	3	265	0	84	349	1 250	1 599
Onkaparinga (C)–Morphett	5	0	5	348	0	19	367	0	367
Onkaparinga (C)-North Coast	4	2	6	464	120	96	680	0	680
Onkaparinga (C)-Reservoir	16	0	16	1 752	0	252	2 005	0	2 005
Onkaparinga (C)–South Coast	21	9	30	1 827	493	134	2 454	120	2 574
Onkaparinga (C)–Woodcroft	11	30	41	966	1 837	27	2 830	0	2 830

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						Alterations an			
	New	New other residential	Total	New	New other residential	additions to residential	Total residential	Non- residential	Total
Statistical area	houses	building	dwellings(a)	houses	buildings	buildings(b)	building	building	building
• • • • • • • • • • • • • • • • • • • •		• • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •
Outer Adelaide (SD)	143	7	150	12 714	465	1 430	14 609	7 152	21 761
Barossa (SSD)	26	0	26	2 328	0	457	2 785	2 681	5 466
Barossa (DC)-Angaston	1	0	1	79	0	0	79	0	79
Barossa (DC)-Barossa	1	0	1	100	0	178	278	0	278
Barossa (DC)-Tanunda	2	0	2	169	0	20	189	0	189
Light (DC)	16	0	16	1 566	0	234	1 800	2 600	4 400
Mallala (DC)	6	0	6	415	0	25	440	81	521
Kangaroo Island (SSD)	3	0	3	351	0	234	584	0	584
Kangaroo Island (DC)	3	0	3	351	0	234	584	0	584
Mt Lofty Ranges (SSD)	38	0	38	3 405	0	282	3 687	2 850	6 537
Adelaide Hills (DC)-North	2	0	2	245	0	87	332	410	742
Adelaide Hills (DC) Bal	4	0	4	613	0	75	688	0	688
Mount Barker (DC)-Central	27	0	27	2 145	0	20	2 165	2 440	4 605
Mount Barker (DC) Bal	5	0	5	402	0	100	502	0	502
Fleurieu (SSD)	76	7	83	6 630	465	457	7 552	1 621	9 173
Alexandrina (DC)–Coastal	25	5	30	2 087	325	335	2 747	210	2 957
Alexandrina (DC)-Strathalbyn	4	0	4	367	0	28	395	261	656
Victor Harbor (DC)	40	2	42	3 458	140	94	3 692	1 150	4 842
Yankalilla (DC)	7	0	7	718	0	0	718	0	718
Yorke and Lower North (SD)	24	10	35	1 875	1 030	761	3 666	437	4 103
Yorke (SSD)	21	10	32	1 582	1 030	167	2 779	292	3 071
Barunga West (DC)	1	0	1	34	0	11	45	0	45
Copper Coast (DC)	9	10	20	917	1 030	65	2 013	120	2 133
Yorke Peninsula (DC)-North	7	0	7	435	0	91	525	122	647
Yorke Peninsula (DC)-South	4	0	4	196	0	0	196	50	246
Unincorp. Yorke	0	0	0	0	0	0	0	0	0
Lower North (SSD)	3	0	3	293	0	594	887	145	1 032
Clare and Gilbert Valleys (DC)	3	0	3	293	0	544	837	65	902
Goyder (DC)	0	0	0	0	0	0	0	0	0
Wakefield (DC)	0	0	0	0	0	50	50	80	130
Murray Lands (SD)	35	7	42	3 016	444	383	3 843	4 069	7 912
Riverland (SSD)	24	4	28	1 896	255	166	2 318	3 765	6 083
Berri & Barmera (DC)-Barmera	1	0	1	23	0	11	34	50	84
Berri & Barmera (DC)-Berri	4	0	4	443	0	0	443	358	801
Loxton Waikerie (DC)-East	4	0	4	405	0	47	452	0	452
Loxton Waikerie (DC)-West	2	0	2	287	0	15	302	1 857	2 159
Mid Murray (DC)	12	0	12	644	0	79	723	0	723
Renmark Paringa (DC)-Paringa	0	0	0	0	0	15	15	0	15
Renmark Paringa (DC)–Renmark		4	5	94	255	0	349	1 500	1 849
Unincorp. Riverland	0	0	0	0	0	0	0	0	0
Murray Mallee (SSD)	11	3	14	1 119	189	217	1 525	304	1 829
Karoonda East Murray (DC)	0	0	0	0	0	0	0	0	0
Murray Bridge (RC)	9	3	12	938	189	173	1 300	200	1 500
Southern Mallee (DC)	0	0	0	0	0	20	20	104	124
The Coorong (DC)	2	0	2	182	0	24	206	0	206
Unincorp. Murray Mallee	0	0	0	0	0	0	0	0	0
South East (SD)	30	0	30	3 774	0	379	4 153	1 255	5 408
Upper South East (SSD)	16	0	16	1 675	0	216	1 890	155	2 045
Lacepede (DC)	3	0	3	317	0	24	341	0	341
Lucindale (DC)	5	0	5	602	0	70	672	90	762
Robe (DC)	4	0	4	381	0	20	401	0	401
Tatiara (DC)	4	0	4	375	0	102	477	65	542

	Alterations and									
0	New	New other residential	Total	New	New other residential	additions to residential	Total residential	Non- residential	Total	
Statistical area	houses	building	dwellings(a)	houses	buildings	buildings(b)	building	building	building	
• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	
Lower South East (SSD)	14	0	14	2 100	0	163	2 263	1 100	3 363	
Grant (DC)	5	0	5	1 033	0	80	1 113	0	1 113	
Mount Gambier (C)	9	0	9	1 066	0	83	1 150	563	1 713	
Wattle Range (DC)-East	0	0	0	0	0	0	0	0	0	
Wattle Range (DC)-West	0	0	0	0	0	0	0	537	537	
Eyre (SD)	12	0	12	1 148	0	203	1 351	572	1 923	
Lincoln (SSD)	12	0	12	1 148	0	203	1 351	495	1 846	
Cleve (DC)	0	0	0	0	0	18	18	0	18	
Elliston (DC)	0	0	0	0	0	0	0	0	0	
Franklin Harbor (DC)	0	0	0	0	0	0	0	0	0	
Kimba (DC)	1	0	1	96	0	25	121	0	121	
Le Hunte (DC)	0	0	0	0	0	0	0	0	0	
Lower Eyre Peninsula (DC)	1	0	1	78	0	32	110	0	110	
Port Lincoln (C)	9	0	9	935	0	128	1 063	420	1 483	
Tumby Bay (DC)	1	0	1	40	0	0	40	75	115	
Unincorp. Lincoln	0	0	0	0	0	0	0	0	0	
West Coast (SSD)	0	0	0	0	0	0	0	77	77	
Ceduna (DC)	0	0	0	0	0	0	0	0	0	
Streaky Bay (DC)	0	0	0	0	0	0	0	77	77	
Unincorp. West Coast	0	0	0	0	0	0	0	0	0	
Northern (SD)	9	0	9	664	0	610	1 274	2 146	3 420	
Whyalla (SSD)	1	0	1	90	0	175	265	616	881	
Whyalla (C)	1	0	1	90	0	175	265	616	881	
Unincorp. Whyalla	0	0	0	0	0	0	0	0	0	
Pirie (SSD)	4	0	4	300	0	194	494	230	724	
Northern Areas (DC)	0	0	0	0	0	121	121	0	121	
Orroroo/Carrieton (DC)	0	0	0	0	0	0	0	0	0	
Peterborough (DC)	0	0	0	0	0	0	0	0	0	
Port Pirie C, Dists (M)–City	3	0	3	165	0	59	224	0	224	
Port Pirie C, Dists (M) Bal	1	0	1	135	0	14	149	230	379	
Unincorp. Pirie	0	0	0	0	0	0	0	0	0	
Flinders Ranges (SSD)	3	0	3	216	0	225	442	0	442	
Flinders Ranges (DC)	1	0	1	91	0	0	91	0	91	
Mount Remarkable (DC)	1	0	1	45	0	10	55	0	55	
Port Augusta (C)	1	0	1	80	0	215	295	0	295	
Unincorp. Flinders Ranges	0	0	0	0	0	0	0	0	0	
Far North (SSD)	1	0	1	58	0	15	73	1 300	1 373	
Coober Pedy (DC)	0	0	0	0	0	0	0	0	0	
Roxby Downs (M)	1	0	1	58	0	15	73	0	73	
Unincorp. Far North	0	0	0	0	0	0	0	1 300	1 300	

⁽a) Includes conversions and dwelling units approved as part (b) Refer to Explanatory Notes paragraph 12. of alterations and additions or the construction of non-residential buildings.

EXPLANATORY NOTES

INTRODUCTION

1 This publication presents monthly details of building work approved.

SCOPE AND COVERAGE

- 2 Statistics of building work approved are compiled from:
- permits issued by local government authorities;
- permits issued by licensed building surveryors;
- contracts let or day labour work authorised by Commonwealth, State, semi-government and local government authorities;
- major building activity in areas not subject to normal administrative approval e.g. building on remote mine sites.
- **3** The scope of the survey comprises the following activities:
- construction of new buildings
- alterations and additions to existing buildings
- approved non-structural renovation and refurbishment work
- approved installation of integral building fixtures

From July 1990, the statistics include:

- all approved new residential building valued at \$10,000 or more
- approved alterations and additions to residential building valued at \$10,000 or more
- all approved non-residential building jobs valued at \$50,000 or more.

Excluded from the statistics is:

 construction activity not defined as building (e.g. construction of roads, bridges, railways, earthworks, etc.). Statistics for this activity can be found in Engineering Construction Activity, Australia (Cat. no. 8762.0).

VALUE DATA

4 Value data are derived by aggregation of the estimated value of building work when completed as reported on approval documents. Such value data excludes the value of land and landscaping but includes site preparation. These estimates are usually a reliable indicator of the completed value of 'houses'. However, for 'other residential buildings' and 'non-residential buildings', these estimates can differ significantly from the completed value of the building.

OWNERSHIP

5 Building ownership is classified as either public or private sector and is based on the sector of intended owner of the completed building at the time of approval. Residential buildings constructed by private sector builders under government housing authority schemes are classified as public sector when the authority has contracted, or intends to contract, to purchase the building on or before completion.

BUILDING CLASSIFICATIONS

- **6** Building approvals are classified both by the Type of Building (e.g. 'house', 'factory') and by the Type of Work involved (e.g. 'new', 'alterations and additions'). These classifications are often used in conjunction with each other to describe building approvals in this publication.
- **7** The Type of Building classification refers to the intended major function of a building. A building which is ancillary to other buildings or forms a part of a group of related buildings is classified to the function of the building, not to the function of the group as a whole.
- **8** An example is the treatment of building work approved for a factory complex. For instance, a detached administration building would be classified to Offices, a detached cafeteria building to Shops, while the factory buildings would be classified to Factories.

EXPLANATORY NOTES

BUILDING CLASSIFICATIONS continued

- **9** An exception to this rule is the treatment of group accommodation buildings. For example, a student accommodation building on a university campus would be classified to Education.
- **10** In the case of a large multi-function building, i.e. a single large physical building which, at the time of approval is intended to have more than one purpose (e.g. a hotel/shops/casino project), the ABS endeavours to split the approval details according to each main function.
- **11** Where this is not possible because separate details cannot be obtained, the building is classified to the predominant function of the building on the basis of the function which represents the highest proportion of the total value of the project.
- **12** The Type of Work classification refers to the building activity carried out: New; Alterations and additions; or Conversion. See the Glossary for definitions of these terms. Prior to the April 1998 issue of this publication, Conversions were published as part of a category called 'Conversions, etc.'. From the April 1998 issue onwards, Conversion jobs are shown separately in tables 5 and 6. However, in other tables they are included within existing categories, as follows: in tables 1 and 2 they are included in the appropriate Type of Building category, and in tables 3, 4,11 and 12 they are included in the 'Alterations and additions to residential buildings' category.

SEASONAL ADJUSTMENT

- **13** Seasonal adjustment is a means of removing the estimated effects of seasonal variation from the series so that the effects of other influences can be more clearly recognised.
- **14** In the seasonal adjustment of series, account has been taken of both normal seasonal factors and 'trading day' effects arising from the varying numbers of Sundays, Mondays, Tuesdays, etc. in the month. Adjustment has also been made for the influence of Easter which may affect the March and April estimates differently.
- **15** Seasonal adjustment does not remove from the series the effect of irregular or non-seasonal influences (e.g. the approval of large projects or a change in the administrative arrangements of approving authorities).
- **16** Some of the component series have been seasonally adjusted independently. Therefore, the adjusted components may not add to the adjusted totals.
- **17** As happens with all seasonally adjusted series, the seasonal factors are reviewed annually to take account of each additional year's data. The timing of this review may vary and when appropriate will be notified in the 'Data Notes' section of this publication.

TREND ESTIMATES

18 Smoothing seasonally adjusted series reduces the impact of the irregular component of the seasonally adjusted series and creates trend estimates. For monthly series, these trend estimates are derived by applying a 13–term Henderson–weighted moving average to all months of the respective seasonally adjusted series except the last six months. Trend series are created for the last six months by applying surrogates of the Henderson moving average to the seasonally adjusted series. For further information, see *A Guide to Interpreting Time Series—Monitoring 'Trends': an Overview* (Cat. no. 1348.0) or contact the Assistant Director, Time Series Analysis on (02) 6252 6345.

EXPLANATORY NOTES

TREND ESTIMATES continued

19 While the smoothing techniques described in paragraph 18 enable trend estimates to be produced for the latest few periods, they do result in revisions to the trend estimates as new data becomes available. Generally, revisions become smaller over time and, after three months, usually have a negligible impact on the series. Revisions to the original data and re-analysis of seasonal factors may also lead to revisions to the trend.

CHAIN VOLUME MEASURES

- **20** The chain volume measures appearing in this publication are annually re-weighted chain Laspeyres indexes referenced to current price values in a chosen reference year (currently 1997–1998). The reference year will be updated annually in the July publication. While current price estimates reflect both price and volume changes, chain volume estimates measure changes in value after the direct effects of price changes have been eliminated and therefore only reflect volume changes
- **21** Further information on the nature and concepts of chain volume measures is contained in the ABS publication *Information paper: Introduction of Chain Volume Measures in the Australian National Accounts* (Cat. no. 5248.0).

AUSTRALIAN STANDARD
GEOGRAPHICAL CLASSIFICATION
(ASGC)

22 Area statistics are now being classified to the *Australian Standard Geographical Classification*, 1998 Edition, (Cat. no. 1216.0), effective from 1 July 1998, and ASGC terminology has been adopted in the presentation of building Statistics.

UNPUBLISHED DATA

23 The ABS can also make available certain building approvals data which are not published. Where the data cannot be provided by telephone, it can be provided via fax, photocopy, computer printout, floppy disk and email. A charge may be made for providing unpublished data in these forms.

RELATED PUBLICATIONS

- **24** Users may also wish to refer to the following publications:
- Building Activity, Building Work Done, Australia (Cat. no. 8755.0)
- Building Activity, Australia (Cat. no. 8752.0)
- Building Activity, Australia: Dwelling Unit Commencements (Cat. no. 8750.0)
- Building Activity, South Australia (Cat. no. 8752.4)
- Building Approvals, Australia (Cat. no. 8731.0)
- Engineering Construction Activity, Australia (Cat. no. 8762.0)
- House Price Indexes: Eight Capital Cities (Cat. no. 6416.0)
- Housing Finance for Owner Occupation, Australia (Cat. no. 5609.0)
- Price Index of Materials Used in Building Other than House Building (Cat. no. 6407.0)
- Price Index of Materials Used in House Building (Cat. no. 6408.0).

ROUNDING

When figures have been rounded, discrepancies may occur between sums of the component items and totals.

SYMBOLS AND OTHER USAGES

n.a. not availablen.y.a. not yet available

C City

DC District Council
M Municipality
RC Rural City

SD Statistical DivisionSSD Statistical Subdivision

Alterations and additions

Building activity carried out on existing buildings. Includes adding to or diminishing floor area, altering the structural design of a building and affixing rigid components which are integral to the functioning of the building.

Alterations and additions to residential buildings

Alterations and additions carried out on existing residential buildings, which may result in the creation of new dwelling units. See also Explanatory Notes paragraph 12.

Building

A building is a rigid, fixed and permanent structure which has a roof. Its intended purpose is primarily to house people, plant, machinery, vehicles, goods or livestock. An integral feature of a building's design is the provision for regular access by persons in order to satisfy its intended use.

Conversion

Building activity which converts a non-residential building to a residential building, e.g. conversion of a warehouse to residential apartments. Conversion is considered to be a special type of alteration, and these jobs have been separately identified as such from the July 1996 reference month, though they have only appeared separately in this publication from the April 1998 issue. Prior to that issue, conversions were published as part of the 'Conversions, etc.' category or included elsewhere within a table. Prior to July 1996, Table 5 includes the number of Conversions in the 'Alterations and additions to residential buildings' category while Table 6 includes the value of Conversions in the 'Alterations and additions to residential buildings, creating dwellings' category. See also Explanatory Notes paragraph 12.

Dwelling unit

A dwelling unit is a self-contained suite of rooms, including cooking and bathing facilities and intended for long-term residential use. Regardless of whether they are self-contained or not, units within buildings offering institutional care (e.g. hospitals) or temporary accommodation (e.g. motels, hostels and holiday apartments) are not defined as dwelling units. Such units are included in the appropriate category of non-residential building approvals. Dwelling units can be created in one of four ways: through new work to create a residential building; through alteration/addition work to an existing residential building; through either new or alteration/addition work on non-residential building or through conversion of a non-residential building to a residential building.

Educational

Includes schools, colleges, kindergartens, libraries, museums and universities.

Entertainment and recreational

Includes clubs, cinemas, sport and recreation centres.

Factories

Includes paper mills, oil refinery buildings, brickworks and powerhouses.

Flats, units or apartments

Dwellings not having their own private grounds and usually sharing a common

entrance, foyer or stairwell.

Health

 $Includes\ hospitals, nursing\ homes, surgeries, clinics\ and\ medical\ centres.$

Hotels, motels and other short term accommodation

Includes hostels, boarding houses, guest houses, and holiday apartment buildings.

GLOSSARY

House A house is a detached building primarily used for long term residential purposes.

It consists of one dwelling unit. For instance, detached 'granny flats' and detached dwelling units (e.g. caretakers residences) associated with a

non-residential building are defined as houses.

Miscellaneous Includes justice and defence buildings, welfare and charitable homes, prisons and

reformatories, maintenance camps, farming and livestock buildings, veterinary

clinics, child-minding centres, police stations and public toilets.

New building work Building activity which will result in the creation of a building which previously

did not exist.

New other residential buildings Building activity which will result in the creation of a residential building other

than a house, which previously did not exist.

New residential Building activity which will result in the creation of any residential building

(house or other residential) which previously did not exist.

Non-residential building A non-residential building is primarily intended for purposes other than long

term residential purposes. Note that, on occasions, one or more dwelling units may be created through non-residential building activity. Prior to the April 1998 issue of this publication, they have been included in the 'Conversions, etc.' column in tables showing dwelling units approved. They are now identified separately (e.g. see table 5). However, the value of these dwelling units cannot be separated out from that of the non-residential building which they are part of,

therefore the value associated with these remain in the appropriate $% \left(1\right) =\left(1\right) \left(1\right)$

Non-residential category.

Offices Includes banks, post offices and council chambers.

Other business premises Includes warehouses, service stations, transport depots and terminals, electricity

substation buildings, telephone exchanges, broadcasting and film studios.

Other dwellings Includes all dwellings other than houses. They can be created by: the creation of

new other residential buildings (e.g. flats); alteration/addition work to an existing residential building; either new or alteration/addition work on a non-residential building; conversion of a non-residential building to a residential building

creating more than one dwelling unit.

Other residential building An other residential building is a building other than a house primarily used for

long-term residential purposes. An other residential building contains more than one dwelling unit. Other residential buildings are coded to the following categories: semi-detached, row or terrace house or townhouse with one storey; semi-detached, row or terrace house or townhouse with two or more storeys; flat, unit or apartment in a building of one or two storeys; flat, unit or apartment in a building of four or more storeys; flat, unit or apartment attached to a house; other/number of storeys unknown. The latter two categories are included with the semi-detached, row or terrace house or townhouse with one storey category in table 7 of this

publication.

Religious Includes convents, churches, temples, mosques, monasteries and noviciates.

Residential building A residential building is a building consisting of one or more dwelling units.

Residential buildings can be either houses or other residential buildings.

GLOSSARY

Semi-detached, row or terrace Dwellings having their own private grounds with no other dwellings above or below.

Shops Includes retail shops, restaurants, taverns and shopping arcades.

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