



Abacus

Property Size

Building Net Rentable Square Feet 100,000 sf

Purchase Assumptions

Asking Price..... \$14,000,000

Acquisition Closing Costs..... 3.0% of purchase price

Sale Assumptions

Terminal (Exit) Cap Rate..... 9.5%

Sale Closing Costs 2.25% of sale price

Revenue and Expense Assumptions

In-place Gross Rents \$20.00/sf

Annual Rent Escalations 3.0%

Vacancy Loss Factor (annual) 5.0%

Operating Expenses \$5.50/sf

Insurance \$0.25/sf

Property Taxes \$2.25/sf

Annual Expense Escalations 3.0%

Financing

Loan Amount 75% of purchase price

Interest Rate 6.0%

Term 10 years

Amortization 25 years

Outputs

Year 1 Cap Rate (NOI/Purchase Price)

Year 1 Cash-on-Cash Yield (After Debt Cash Flow / Equity)

10-year Leveraged IRR (include debt)

10-year Unleveraged IRR (exclude debt)

Year 1 Debt Service Coverage Ratio

ASSIGNMENT: Using the above assumptions, create an Excel spreadsheet that includes a 10-year cash flow proforma, a sources and uses table, and calculates the Outputs listed above.

Property Size

Building Net Rentable Square Feet	100,000 SF
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Purchase Assumptions

Asking Price	\$14,000,000	
Acquisition Closing Cost	3.0% of purchase price	\$420,000.00
Sale Closing Cost	2.25% of sale price	\$350,000.000

Revene and Expense Assumptions

In plass gross rents	\$20.00 SF
Annual Rent Escalations	3.00%
Vacancy Loss Factor (annual)	5.00%
Operating Expenses	\$5.50 SF
Insurance	\$0.25 SF
Property Taxes	\$2.25 SF
Annual Expense Escalations	3.00%

Financing

Loan Amt	75% of purchase price	\$10,500,000.00
IR	6.00%	
Term	10yrs	
Amortization	25yrs	

Terminal Cap Rate	9.50%
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		Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11
	Income Growth Rate	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%
	Rental Income	2,000,000	2,060,000	2,121,800	2,185,454	2,251,018	2,318,548	2,388,105	2,459,748	2,533,540	2,609,546	2,687,833	2,768,468
	Other Income	50,000	51,500	53,045	54,636	56,275	57,964	59,703	61,494	63,339	65,239	67,196	69,212
	Recoveries	5,000	5,150	5,305	5,464	5,628	5,796	5,970	6,149	6,334	6,524	6,720	6,921
	Potential Gross Income	\$ 2,055,000	\$ 2,116,650	\$ 2,180,150	\$ 2,245,554	\$ 2,312,921	\$ 2,382,308	\$ 2,453,777	\$ 2,527,391	\$ 2,603,213	\$ 2,681,309	\$ 2,761,748	\$ 2,844,601
	Vacancy Loss	(102,750.00)	(105,832.50)	(109,007.48)	(112,277.70)	(115,646.03)	(119,115.41)	(122,688.87)	(126,369.54)	(130,160.63)	(134,065.44)	(138,087.41)	(142,230.03)
	Effective Gross Income	\$ 2,157,750.00	\$ 2,222,482.50	\$ 2,289,156.98	\$ 2,357,831.68	\$ 2,428,566.63	\$ 2,501,423.63	\$ 2,576,466.34	\$ 2,653,760.33	\$ 2,733,373.14	\$ 2,815,374.34	\$ 2,899,835.57	\$ 2,986,830.63
	Expense Growth Rate	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
	Repairs and Maintenance	\$ (2,500)	(2,575)	(2,652)	(2,732)	(2,814)	(2,898)	(2,985)	(3,075)	(3,167)	(3,262)	(3,360)	(3,461)
	Insurance	\$ (25,000)	(25,750)	(26,523)	(27,318)	(28,138)	(28,982)	(29,851)	(30,747)	(31,669)	(32,619)	(33,598)	(34,606)
	Property Taxes	\$ (225,000)	(225,000)	(225,000)	(225,000)	(225,000)	(225,000)	(225,000)	(225,000)	(225,000)	(225,000)	(225,000)	(225,000)
	Operating Expenses	\$ (252,500)	\$ (253,325)	\$ (254,175)	\$ (255,050)	\$ (255,951)	\$ (256,880)	\$ (257,836)	\$ (258,822)	\$ (259,836)	\$ (260,881)	\$ (261,958)	\$ (263,066)
	Net Operating Income (NOI)	\$ 2,410,250	\$ 2,475,807.50	\$ 2,543,331.73	\$ 2,612,881.68	\$ 2,684,518.13	\$ 2,758,303.67	\$ 2,834,302.78	\$ 2,912,581.86	\$ 2,993,209.32	\$ 3,076,255.60	\$ 3,161,793.27	\$ 3,249,897.07
	CAPEX	\$ 10,000	\$ 10,300.00	\$ 10,609.00	\$ 10,927.27	\$ 11,255.09	\$ 11,592.74	\$ 11,940.52	\$ 12,298.74	\$ 12,667.70	\$ 13,047.73	\$ 13,439.16	\$ 13,842.34
	Cash Flow From Operations	\$ 2,400,250	\$ 2,465,507.50	\$ 2,532,722.73	\$ 2,601,954.41	\$ 2,673,263.04	\$ 2,746,710.93	\$ 2,822,362.26	\$ 2,900,283.13	\$ 2,980,541.62	\$ 3,063,207.87	\$ 3,148,354.10	\$ 3,236,054.73
	Debt Service	(\$811,819.77)	(\$811,819.77)	(\$811,819.77)	(\$811,819.77)	(\$811,819.77)	(\$811,819.77)	(\$811,819.77)	(\$811,819.77)	(\$811,819.77)	(\$811,819.77)	(\$811,819.77)	(\$811,819.77)
	After Tax Cash Flow	\$ 3,212,069.77	\$ 3,277,327.27	\$ 3,344,542.49	\$ 3,413,774.17	\$ 3,485,082.80	\$ 3,558,530.70	\$ 3,634,182.02	\$ 3,712,102.89	\$ 3,792,361.39	\$ 3,875,027.63	\$ 3,960,173.87	\$ 4,047,874.49

Year	Month	Day	Time	Location	Event	Duration	Participants	Notes
2023	Jan	1	10:00	Room 101	Meeting A	1h	5	Standard meeting
2023	Jan	2	14:30	Room 102	Meeting B	45m	3	Quick sync
2023	Jan	3	09:00	Room 101	Meeting A	1h	5	Standard meeting
2023	Jan	4	11:00	Room 103	Meeting C	30m	2	One-on-one
2023	Jan	5	15:00	Room 102	Meeting B	45m	3	Quick sync
2023	Jan	6	10:30	Room 101	Meeting A	1h	5	Standard meeting
2023	Jan	7	13:00	Room 104	Meeting D	2h	8	Workshop
2023	Jan	8	08:00	Room 101	Meeting A	1h	5	Standard meeting
2023	Jan	9	12:00	Room 102	Meeting B	45m	3	Quick sync
2023	Jan	10	16:00	Room 103	Meeting C	30m	2	One-on-one
2023	Jan	11	09:30	Room 101	Meeting A	1h	5	Standard meeting
2023	Jan	12	14:00	Room 102	Meeting B	45m	3	Quick sync
2023	Jan	13	10:00	Room 103	Meeting C	30m	2	One-on-one
2023	Jan	14	15:30	Room 104	Meeting D	2h	8	Workshop
2023	Jan	15	08:30	Room 101	Meeting A	1h	5	Standard meeting
2023	Jan	16	11:30	Room 102	Meeting B	45m	3	Quick sync
2023	Jan	17	13:30	Room 103	Meeting C	30m	2	One-on-one
2023	Jan	18	09:00	Room 101	Meeting A	1h	5	Standard meeting
2023	Jan	19	12:30	Room 102	Meeting B	45m	3	Quick sync
2023	Jan	20	14:30	Room 103	Meeting C	30m	2	One-on-one
2023	Jan	21	10:00	Room 104	Meeting D	2h	8	Workshop
2023	Jan	22	08:00	Room 101	Meeting A	1h	5	Standard meeting
2023	Jan	23	11:00	Room 102	Meeting B	45m	3	Quick sync
2023	Jan	24	13:00	Room 103	Meeting C	30m	2	One-on-one
2023	Jan	25	15:00	Room 104	Meeting D	2h	8	Workshop
2023	Jan	26	09:00	Room 101	Meeting A	1h	5	Standard meeting
2023	Jan	27	12:00	Room 102	Meeting B	45m	3	Quick sync
2023	Jan	28	14:00	Room 103	Meeting C	30m	2	One-on-one
2023	Jan	29	10:30	Room 104	Meeting D	2h	8	Workshop
2023	Jan	30	08:30	Room 101	Meeting A	1h	5	Standard meeting
2023	Jan	31	11:30	Room 102	Meeting B	45m	3	Quick sync
2023	Feb	1	13:30	Room 103	Meeting C	30m	2	One-on-one
2023	Feb	2	09:00	Room 101	Meeting A	1h	5	Standard meeting
2023	Feb	3	12:00	Room 102	Meeting B	45m	3	Quick sync
2023	Feb	4	14:30	Room 103	Meeting C	30m	2	One-on-one
2023	Feb	5	10:00	Room 104	Meeting D	2h	8	Workshop
2023	Feb	6	08:00	Room 101	Meeting A	1h	5	Standard meeting
2023	Feb	7	11:00	Room 102	Meeting B	45m	3	Quick sync
2023	Feb	8	13:00	Room 103	Meeting C	30m	2	One-on-one
2023	Feb	9	15:00	Room 104	Meeting D	2h	8	Workshop
2023	Feb	10	09:00	Room 101	Meeting A	1h	5	Standard meeting
2023	Feb	11	12:00	Room 102	Meeting B	45m	3	Quick sync
2023	Feb	12	14:00	Room 103	Meeting C	30m	2	One-on-one
2023	Feb	13	10:30	Room 104	Meeting D	2h	8	Workshop
2023	Feb	14	08:30	Room 101	Meeting A	1h	5	Standard meeting
2023	Feb	15	11:30	Room 102	Meeting B	45m	3	Quick sync
2023	Feb	16	13:30	Room 103	Meeting C	30m	2	One-on-one
2023	Feb	17	09:00	Room 101	Meeting A	1h	5	Standard meeting
2023	Feb	18	12:00	Room 102	Meeting B	45m	3	Quick sync
2023	Feb	19	14:00	Room 103	Meeting C	30m	2	One-on-one
2023	Feb	20	10:00	Room 104	Meeting D	2h	8	Workshop
2023	Feb	21	08:00	Room 101	Meeting A	1h	5	Standard meeting
2023	Feb	22	11:00	Room 102	Meeting B	45m	3	Quick sync
2023	Feb	23	13:00	Room 103	Meeting C	30m	2	One-on-one

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Unlevered Returns

	1	2	3	4	5	6	7	8	9	10	11
Purchase	(\$14,000,000)										
Acquisition Costs	(\$420,000)										
Cash Flow, Operations	\$ 2,465,508	\$ 2,532,723	\$ 2,601,954	\$ 2,673,263	\$ 2,746,711	\$ 2,822,362	\$ 2,900,283	\$ 2,980,542	\$ 3,063,208	\$ 3,148,354	\$ 3,236,055
Cash Flow, Sale	\$ 34,209,442.80										

Unlevered IRR 18%

Levered Returns

	1	2	3	4	5	6	7	8	9	10	11
Purchase	(\$14,000,000.00)										
Closing Costs	(\$350,000.00)										
Cash Flow After Debt Serv	\$ 3,277,327	\$ 3,344,542	\$ 3,413,774	\$ 3,485,083	\$ 3,558,531	\$ 3,634,182	\$ 3,712,103	\$ 3,792,361	\$ 3,875,028	\$ 3,960,174	\$ 4,047,874
Cash Flow, Sale	\$ 34,209,442.80										

Levered IRR 22%

Year 1 Cash on Cash Yield	4.40%
Year 1 Cap Rate	18%
10-year Unlevered IRR	18%
10-year Levered IRR	22%
Year 1 DSCR	3.05