

COLLINS BUILDING—PORT OF EVERETT

Building Stats (approx):

<i>Square feet</i>	60,000
<i>Length</i>	200
<i>Width</i>	100
<i>Height</i>	35
<i>Approx. weight</i>	2,000,000
<i>On-site diversion %</i>	90+%
<i>Salvage value</i>	\$200,000+

Materials (est.):

- 35 % reusable
- 3% metal recycling
- 6% debris
- **56% wood recycling**

COLLINS BUILDING



EXECUTIVE SUMMARY

This building is worth deconstructing in our opinion. Combining the high diversion rate (90+% and high resale value \$200,000+ that a contractor would expect should make deconstruction an economically viable choice. It is unfortunate that some materials

like wood flooring are already beyond 'help', and that the floor assemblies are questionable items (that may be removed in panels one way or the other), but the beams and other materials quickly make up for that. Many assumptions were made to come up with an estimate of the build-

ings weight and values are a mix of wholesale sales and retail sales as appropriate. We estimate that a fairly aggressive approach would have the building down to the foundation in about 3 weeks- 4 weeks with an additional 2-3 weeks of clean up and processing as needed.

MATERIALS

Obviously, most of the building is made of wood. The wood recycling portion alone totals more than 50% of the



building weight, and is included in the reuse and recycling totals. The 2x4 floor assemblies are the single heaviest item in the building, and it is unclear how easily they can be reused or recycled. There hasn't been a consistent market for these materials in the past, but some reuse is expected. No dollar value was placed on its salvage, so if a reuse can be found, it will likely positively impact the project numbers.

The beams and posts hold the most value in the project, but there are many other materials like windows and gas furnaces that we have listed as being salvaged for reuse.



The resale value of the materials found in this building is dominated by the value of the beams and posts. The prices suggested are primarily wholesale prices that a deconstruction contractor would receive for the products diverted for reuse.

Collins Building - Everett, WA - Port of Everett		Building Material Inventory					
Item Description	Quantity	Unit type	Unit value	Tot. value	unit/weight	Tot. weight	Reuse
cedar siding	4800	sq ft	\$0.75	\$3,600.00	1	6,000	6,000
sprinkler system/pipe	1	set	\$0.00	\$0.00	20000	20,000	
fluorescent lighting	100	unit	\$10.00	\$1,000.00	20	2,000	1,000
ceiling hung gas furnaces	5	unit	\$250.00	\$1,250.00	250	1,250	1,250
ducting/electrical	1	set	\$0.00	\$0.00	10000	10,000	
garage door	1	each	\$0.00	\$0.00	500	500	150
cabinets - 2nd floor	15	lineal ft	\$25.00	\$375.00	75	1,125	1,125
dbl door set - fir - 2nd floor	2	set	\$250.00	\$500.00	200	400	400
paneled wall sections	1	set	\$250.00	\$250.00	500	500	500
misc. doors and cabinets	1	each	\$200.00	\$200.00	1500	1,500	1,500
floor mounted gas furnace	1	unit	\$200.00	\$200.00	200	200	200
north face - 20 pane window	14	each	\$15.00	\$210.00	100	1,400	1,400
north face - 16 pane window	12	each	\$12.00	\$144.00	75	900	800
north face - dbl hung 4 over 1	3	each	\$5.00	\$15.00	20	60	50
north face - dbl hung 6 over 1	2	each	\$6.00	\$12.00	25	50	45
north face - 12 pane window	6	each	\$10.00	\$60.00	60	360	330
north face - 15 pane window	4	each	\$12.00	\$48.00	70	280	250
east face - 20 pane window	94	each	\$15.00	\$1,410.00	100	9,400	9,200
east face - dbl hung 4 over 1	6	each	\$5.00	\$30.00	20	120	115
south face - 20 pane window	39	each	\$15.00	\$585.00	100	3,900	3,875
south face - 16 pane window	16	each	\$12.00	\$192.00	75	1,200	1,150
west face - 20 pane window	35	each	\$15.00	\$525.00	100	3,500	3,400
west face - 20 pane window	30	each	\$15.00	\$450.00	100	3,000	2,950
stair sets	5	set	\$100.00	\$500.00	450	2,250	2,200
misc. 3rd floor lumber	1	set	\$500.00	\$500.00	3500	3,500	3,500
misc. 2nd floor lumber	1	set	\$500.00	\$500.00	3500	3,500	3,500
misc. 1st floor lumber	1	set	\$500.00	\$500.00	3500	3,500	3,500
2x4 laminated wall structure	69943	lineal ft	\$0.00	\$0.00	2.65	108,411	108,411
3rd story collar ties	1500	lineal ft	\$0.50	\$750.00	2.65	7,500	7,500
1st floor - floor beams 12x14	2000	lineal ft	\$24.50	\$49,000.00	2.65	74,200	74,200
1st floor - floor joists 4x12	10000	lineal ft	\$6.00	\$60,000.00	2.65	106,000	106,000
1st floor - 2x4 on edge	137143	lineal ft	\$0.00	\$0.00	2.65	212,571	20,000
1st floor - shiplap subfloor	20000	sq ft	\$0.00	\$0.00	2.65	18,219	
1st floor - fir flooring	20000	sq ft	\$0.00	\$0.00	2.65	18,219	
1st floor - 8x10 perimeter posts	624	lineal ft	\$11.33	\$7,072.00	2.65	11,024	11,024
1st floor - 10x12 field posts	864	lineal ft	\$17.50	\$15,120.00	2.65	22,896	22,896
1st floor - 12x14 beams	2000	lineal ft	\$24.50	\$49,000.00	2.65	74,200	74,200
2nd floor - 2x4 of edge	137143	lineal ft	\$0.00	\$0.00	2.65	212,571	20,000
2nd floor - shiplap subfloor	20000	sq ft	\$0.00	\$0.00	2.65	18,219	
2nd floor - fir flooring	20000	sq ft	\$0.00	\$0.00	2.65	18,219	
2nd floor - 8x8 perimeter posts	468	lineal ft	\$5.33	\$2,496.00	2.65	6,614	6,614
2nd floor - 8x10 field posts	648	lineal ft	\$9.00	\$5,832.00	2.65	11,448	11,448
2nd floor - 8x14 beams	2000	lineal ft	\$14.47	\$28,933.33	2.65	49,467	49,467
3rd floor - 2x4 of edge	137143	lineal ft	\$0.00	\$0.00	2.65	212,571	12
3rd floor - shiplap subfloor	20000	sq ft	\$0.00	\$0.00	2.65	18,219	
3rd floor - fir flooring	20000	sq ft	\$0.00	\$0.00	2.65	18,219	
3rd floor - 8x8 perimeter posts	520	lineal ft	\$5.33	\$2,773.33	2.65	7,349	7,349
3rd floor - 8x8 field posts	864	lineal ft	\$5.33	\$4,608.00	2.65	12,211	12,211
3rd floor - 8x10 beams	2200	lineal ft	\$9.00	\$19,800.00	2.65	38,867	38,867
roof - 2x4 on edge	144000	sq ft	\$0.00	\$0.00	2.65	223,200	0
roof - torch down roofing	21000	sq ft	\$0.00	\$0.00	4.25	89,250	
misc items (sheetrock etc)	1	unit	\$1,600.00	\$1,600.00	100000	100,000	18000