

HIGH PERFORMANCE BUILDING ENVELOPE AND SYSTEMS			
AIR TIGHTNESS			
reduce air infiltration in the house by 40%	30	40	blower door test
AIR TIGHTNESS SUBTOTAL		40	
IMPROVEMENTS TO EXISTING FLOORS & FOUNDATIONS			
seal and insulate floor over unconditioned crawlspace or basement with R-15 insulation spray-applied insulation (air sealing must include all plumbing, electrical, and HVAC penetrations plus any chases)	15	15	
improve existing roof gutters to discharge water 5 feet away from foundation	3	3	
install vapor barrier on floor of crawlspace	3	3	
EXISTING FLOORS & FOUNDATIONS SUBTOTAL		21	
IMPROVEMENTS TO EXISTING ATTICS			
for attics with R-15 or less existing insulation: air seal all attic penetrations and insulate to R-30 (air sealing must include all plumbing electrical, and HVAC penetrations plus any chases)	10	10	
seal and insulate all attic access openings	2	2	
EXISTING ATTICS SUBTOTAL		12	
IMPROVEMENTS TO, OR REPLACEMENTS OF, EXISTING HVAC SYSTEMS			
replace furnace (AFUE less than 75) with a new 90+ AFUE furnace	15	15	15 pts. for 1st furnace, 7 pts. for each additional, 30 pts. maximum
replace air conditioner (SEER less than 8) with a new 14 SEER unit	12	12	12 pts. for 1st, 6 pts. for each additional, 24 pts. max
for systems with >20% leakage: reduce duct leakage by 50%	10	10	duct blaster test
reduce duct leakage below 10%	10	10	duct blaster test
EXISTING HVAC SYSTEMS SUBTOTAL		47	
ADDITIONS - NEW WALLS			
seal all wall penetrations	2	2	
seal window and door rough openings	1	1	
seal seams in sheathing	4	4	
seal top plate to drywall with gasket or glue	2	2	
seal bottom plate to sheathing	2	2	
seal band joists at exterior and attic	3	3	
insulated headers	1	1	
insulated T-walls	1	1	
insulated corners	1	1	
NFRC rated windows U<0.40 and SHGC<0.40	8	8	
walls covered with builder paper or housewrap (drainage plane)	1	1	
back-primed siding and trim	1	1	
window and door head flashing	1	1	
window and door pan and side flashing	1	1	
NEW WALLS SUBTOTAL		29	
ADDITIONS - NEW ATTICS & ROOFS			
seal and insulate all chases	4	4	
seal all drywall penetrations in ceiling	2	2	
radiant barrier in attic	2	2	
OSB roof decking	1	1	
new roofing (min 30-year warranty)	2	2	warranty
roof drip edge installed	1	1	
new roof gutters discharge water 5 feet away from foundation	1	1	
NEW ATTICS & ROOFS SUBTOTAL		13	
ADDITIONS - NEW HVAC SYSTEMS			
SEER 14 cooling equipment	4	4	
HSPF 8.0 heat pumps	4	4	
certify duct leakage less than 5%	15	15	
NEW HVAC SYSTEMS SUBTOTAL		23	
HIGH PERFORMANCE BUILDING TOTAL		185	

VENTILATION			
Prerequisite: No unvented combustion fireplaces or space heaters are permitted in the house.			
install low noise (≤ 2.0 sones) bath fans in new construction	2	2	product literature
install new kitchen range hood or downdraft vented to exterior	3	3	
install new controlled house ventilation (0.35 ACH)	4	4	
new filter / air cleaner with minimum 30% dust spot efficiency (e.g. pleated filter)	2	2	product literature
ducts protected until construction is completed	2	2	
VENTILATION TOTAL		13	
WATER - INDOOR			
Prerequisite: All new fixtures must meet National Energy Policy Act standards for low flow.			
replace existing showerheads with low-flow showerheads (max 2.5 gal/min)	1 each	1	
replace existing toilets with low-flow toilets (max 1.6 gal/flush) (max 4 toilets)	4 each	8	
WATER - INDOOR TOTAL		9	
FIXTURES & FINISHES			
low VOC paints used (less than 150 g/L)	2	2	product literature
low VOC stains and finishes used on wood floors	1	1	product literature
FIXTURES & FINISHES TOTAL		3	
WASTE MANAGEMENT			
Prerequisite: No construction materials shall be burned or buried on job site or anywhere but in a state-approved landfill.			
RECYCLE CONSTRUCTION WASTE			
beverage containers from work crews	1	1	
metal (copper piping, wires, or sheet metal)	2	2	
wood (grind and use as mulch)	3	3	
drywall (installers can grind or remove, and recycle)	3	3	
RECYCLE CONSTRUCTION WASTE SUBTOTAL		9	
SALVAGE FOR REUSE (On or off jobsite)			
cabinets, millwork, or trim	2	2	
wood floors	3	3	
doors (minimum of 2 doors)	2	2	
SALVAGE FOR REUSE SUBTOTAL		7	
WASTE MANAGEMENT TOTAL		16	
HOMEOWNER & CONTRACTOR EDUCATION			
provide energy operations orientation and binder to homeowner	1	1	
contractor attends workshop on erosion and sediment control	2	2	certificate
HOMEOWNER & CONTRACTOR EDUCATION TOTAL		3	
EARTHCRAFT HOUSE TOTALS			
HIGH PERFORMANCE BUILDING		185	
VENTILATION		13	
INDOOR WATER		9	
FIXTURES & FINISHES		3	
WASTE MANAGEMENT		16	
HOMEOWNER & CONTRACTOR EDUCATION		3	
GRAND TOTAL		229	

Points Required

140

renovations that change exterior shell of building but use only existing foundation