

Item	Description	Increased Cost Estimate	Difficulty/Cost Level			Comments
			Low	Medium	High	
1	Insulation installed in full contact with sealed interior and exterior air barrier except for alternate to interior air barrier under item 2, <i>Walls and Adjoining Exterior Walls or Unconditioned Spaces</i>					
1.1	Overall alignment of insulation throughout home					Proper installation techniques should be followed per manufactures specs. The only difficulty is to continue to enforce the trade to do the job properly
1.2	Grade I insulation installation					Installed in a manner that no compressions, gaps or voids are present
1.3	Garage band joist air barrier in place					Sealing any holes or penetrations with foam / cutting OSB or Drywall to cover any large opening from floor above garage to floor above conditioned area.
1.4	Attic eave baffles in place where vents/leakage exist					Standard Practice
	<b>Climate Zones 4 and Higher</b>					
1.4	Slab edge insulation properly installed					Install at slab stage when setting forms
1.5	Air barrier in place at all band joists					<b>Best Practice, Encouraged but Not Required.</b> Place air barrier at any exposed edges of insulation and cutting to fit around any plumbing or electrical then sealing with proper foam
2	* Fully insulated wall aligned with air barrier at both interior and exterior, <b>OR</b> ; * Alternate for Climate Zones 1 though 3, sealed exterior air barrier aligned with fully supported RESNET Grade I insulation * Continuous top and bottom plates in place or sealed blocking used					
2.1	Walls insulated behind showers and tubs		CZ 1-3	CZ 4-8		Install insulation to achieve Grade I (place a six sided air barrier in climate zones 4 thru 8)
2.2	Walls insulated behind fireplaces		CZ 1-3	CZ 4-8		Install insulation to achieve Grade I (place a six sided air barrier in climate zones 4 thru 8)
2.3	Attic slopes and walls insulated					Install insulation to achieve Grade I
2.4	Attic Knee walls insulated					Must have exterior Air Barrier. Six Sided Assembly Required on this Item
2.5	Skylight shaft walls insulated					Must have exterior Air Barrier. Six Sided Assembly Required on this Item
2.6	Wall adjoining porch roof insulated					Exterior Air Barrier Required. Similar to Rim Joist
2.7	Staircase walls insulated		CZ 1-3	CZ 4-8		Install insulation to achieve Grade I (place a six sided air barrier in climate zones 4 thru 8)

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2.8	Double walls insulated					Cost issue. Larger Double walls can cost more
3	* Air barrier installed at any exposed fibrous insulation edges * Insulation installed to maintain permanent contact with sub-floor above, including necessary supports * Blanket insulation verified to have no gaps, voids, or compression * Blown-in insulation verified to have proper density with firm packing					
3.1	Floor insulated above garage					New Code Requirement to have Insulation against Subfloor
3.2	Cantilevered floors insulated					New Code Requirement to have Insulation against Subfloor
4	Openings to unconditioned spaces fully sealed with solid blocking or flashing and any remaining gaps sealed with caulk or foam (fire-rated collars and caulking installed where required)					
4.1	Duct shafts sealed					Foam Penetrations and gaps
4.2	Piping shafts and penetrations sealed					Foam Penetrations and gaps
4.3	Flue shafts sealed					Foam Penetrations and gaps (proper sealant)
5	* All surfaces and dropped ceilings include a full interior-side air barrier aligned with insulation * All penetrations and gaps fully sealed with caulk, foam, or tape and any flashing as required					
5.1	Sheetrock to top plate at all attic/wall interfaces fully sealed					Need to place caulking prior to setting drywall
5.2	Attic access panel and drop down stairs sealed					Weather Stripping / Gasket necessary
5.3	Dropped ceilings and soffits sealed					Cap off all soffits with OSB, Drywall, Thermoply then seal any gaps or penetrations
5.4	Airtight recessed lighting fixtures installed					IC Rated Cans / Seal to drywall with latex based caulk
5.5	Whole house fans have insulated cover gasketed to opening					If applicable, create cover that is gasketed at opening
6	Gap between drywall shaft wall (ie,common wall) and the structural framing between units fully sealed at all exterior boundary conditions					
6.1	Common wall between dwelling units sealed					Seal with approved expansive Foam

NOTE: MAJORITY OF CALIFORNIA IN NATIONAL CLIMATE ZONE 3, IMPERIAL VALLEY IN CLIMATE ZONE 2