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AIR SEALING & INSULATION COURSE CURRICULUM



AIR SEALING & INSULATION

SAFETY AND INSTRUCTIONAL EQUIPMENT LIST

1. COURSE OVERVIEW

ABOUT THIS EQUIPMENT LIST

This list outlines safety and instructional equipment necessary for the entirety of the course.

CLASS CAPACITY

This class should have a classroom cap of 5 students when a hands-on lab (both insulation and air sealing) is included. It is recommended that a second instructor be added when class size increases or when multiple activities are planned, such as simultaneous dense-packing and air sealing of props.

SAFETY EQUIPMENT

EQUIPMENT	DISTRIBUTION
Goggles	1 per 1 student (1:1)
Leather gloves	1 set:1
Disposable latex gloves	4 sets:1
Mask (replace often)	1:1 per task
Booties	1:1 per site
Tyvek suit	1:1 per task
Confined space fan	1 per site (seasonal)
First Aid Kit	1 per site
MSDS	1 per site
Non-contact voltage tester	2 per site
Personal CO Meter	1:1
Combustion CO Meter	1 per site

INSTRUCTIONAL EQUIPMENT

EQUIPMENT	DISTRIBUTION
5 sets air-sealing props	1:1
Prop-dependent pressure test fans & base	2:5
Blower door fan, frame, tarp	3:5
Manometer	3:5
Spare manometer tubes	1:5
Calculator	1:1
Tape Measure (25')	1:1
Clipboard	1:1
Hammer (16oz.)	1:1
Caulk gun	1:1
Foam gun Pro	2:5
Metal snips	1:1
Drywall saw	1:1
12" Carpenter square	1:1
36" metal ruler	1:1
Utility knife	1:1
Putty knife 3"	1:1
Putty knife 1.5"	1:1
Phillips screwdriver	1:1
Flathead screwdriver	1:1
Staple gun (standard & stitch) & staples	2:5
Window Scraper	1:1
Paintbrush 1"	1:1
Paintbrush 2"	1:1
Carpenter pencil	1:1
Wiping rags	Lab inventory
Shop Vac with HEPA filter	1:site
Flashlight	1:1
Mirror	2:5
Garden rake / broom	1 site

Misc. Power tools, accessories, etc.	
Rechargeable drill	Lab Inventory
Extra (charged) batteries	“
Drill bits	“
Portable generator	“
Insulation machine, clamps, hoses, etc.	“
Insulation test box	“
Wood boring bits	“
Reciprocating saw	“
Circular saw	“
Nail gun	“
Ladders and/or scaffolding	“
Pry bars	“
Extension cords	“
Misc. Materials	
Mesh tape	Lab Inventory
16 ga. Galvanized stock	“
Duct mastic	“
Self-taping screws	“
Silicone caulk	“
Hi-temp caulk	“
Cleaning supplies (acetone, window cleaner,...)	“
Garbage bags	“
Misc. drywall screws	“
5/8" drywall	“
1/2" drywall	“
House wrap	“
'Blue' board	“
OSB or plywood	“
Flexmend	“
6 mil plastic sheeting	“
Construction adhesive	“
Spray adhesive	“
Lath or furring strips	“
Loose-fill insulation	“
Insulation stuffing tool	“
Putty tape	“
Elastomeric roof coating	“
Multi-purpose tool for siding removal	“
Garden rake	“
Cleaning supplies (acetone, window cleaner,...)	“
Weatherstripping (doors & windows)	“
1-part foam (cracks & windows & doors)	“