1-7	1- ATTIC CRITICAL DETAIL: CHASE (SPRAY FOAM)				
MA ⁻	TERIALS:	TOOLS:			
Bac	king Material				
Sup	port Material				
Fast	Fasteners				
Sea	lants				
DEG	SIDED OUTCOME(S): 1) Air doos r	ent ontox or ovit the house through	the	shaca	
	liminate bending, sagging or mo	ot enter or exit the house through vement.	i the	cnase.	
		es to be air sealed in order to stop	the p	bassage of air.	
	🗙 Makes or Breaks the Job	+ Could Injure the Worker	1	Makes the Job Easier	
	IMPORTANT STEPS	KEY STEPS		REASON	
SAFETY	Before entering attic or cutting put on all personal protection equipment.	This is for your safety.	+	SAFETY MEASURE to reduce the amount of dust particles you breathe, protect your eyes and hands.	
REP	Measure size and cut <u>backing material</u> larger than opening in all directions.	If the <u>backing material</u> bends, sags, or moves when in place a <u>support material</u> must be used.	×	To assure <u>backing material</u> does not fall into the opening, sag bend or move.	
JOB PREP	If needed, cut <u>support material.</u>	Support material must not sag or bend when fastened.	×	To support both <u>backing and</u> <u>spray foam materials.</u>	
	Fasten any <u>support material</u> in place.	Do not use nails.	×	Driving nails may crack ceiling finish in house.	
BACKING MATERIAL	Install <u>backing material.</u>				
AIR SEALING	Spray foam.	 Assure 100% of the edge and all penetrations are air sealed. The finished foam seal must be rigid and completely covering the <u>backing</u> <u>material.</u> 	×	 To provide good adhesion to the edges. To assure foam and <u>backing</u> <u>material</u> does not fall into the opening nor will sag, bend, move or leak air. 	
FINAL	Check your work and record it on the Process Improvement form.	Be thorough, be the best critic of your work. Finding and fixing mistakes at the point of work saves the company money.	×	Assures defect free work, customer success and supports your crew and company's com- mitment to quality.	
	Provide F	eedback on Ways to Improve Proc	ess		

2-	2- ATTIC CRITICAL DETAIL: DROPPED CEILING (SPRAY FOAM)				
MA.	TERIALS:	TOOLS:	_		
Bac	Backing Material				
Sup	port Material				
Fast	teners				
Sea	lants				
DEG	SIPED OUTCOME(S): 1) Air doos r	not enter or exit the house through	a the	dropped ceiling	
	liminate bending, sagging or mo		i the	aroppea cennig.	
3) A	dhesion of sealants to all surface	es to be air sealed in order to stop	the	bassage of air.	
	🗙 Makes or Breaks the Job	+ Could Injure the Worker	1	Makes the Job Easier	
	IMPORTANT STEPS	KEY STEPS		REASON	
SAFETY	Before entering attic or cutting put on all personal protection equipment.	This is for your safety.	+	SAFETY MEASURE to reduce the amount of dust particles you breathe, protect your eyes and hands.	
REP	Measure size and cut <u>backing material</u> larger than opening in all directions.	If the <u>backing material</u> bends, sags, or moves when in place a <u>support material</u> must be used.	×	To assure <u>backing material</u> does not fall into the opening, sag bend or move.	
JOB PREP	If needed, cut <u>support material.</u>	Support material must not sag or bend when fastened.	×	To support both <u>backing and</u> <u>spray foam materials.</u>	
	Fasten any <u>support material</u> in place.	Do not use nails.	×	Driving nails may crack ceiling finish in house.	
BACKING MATERIAL	Install <u>backing material.</u>				
AIR SEALING	Spray foam.	 Assure 100% of the edge and all penetrations are air sealed. The finished foam seal must be rigid and completely covering the <u>backing</u> <u>material.</u> 	×	 To provide good adhesion to the edges. To assure foam and <u>backing</u> <u>material</u> does not fall into the opening nor will sag, bend, move or leak air. 	
FINAL	Check your work and record it on the Process Improvement form.	Be thorough, be the best critic of your work. Finding and fixing mistakes at the point of work saves the company money.	×	Assures defect free work, customer success and supports your crew and company's com- mitment to quality.	
	Provide Feedback on Ways to Improve Process				

3- ATTIC CRITICAL DETAIL: SOFFIT, FURRED-DOWN OR BULKHEAD (SPRAY FOAM)						
	MATERIALS: TOOLS:					
Bac	king Material					
Sup	port Material					
Fast	eners					
Sea	lants					
DEC						
	khead. 2) Eliminate bending, sag	not enter or exit the house through ging or movement.	n the	somt, furred-down or		
		es to be air sealed in order to stop	the p	bassage of air.		
	X Makes or Breaks the Job	+ Could Injure the Worker	1	Makes the Job Easier		
	IMPORTANT STEPS	KEY STEPS		REASON		
SAFETY	Before entering attic or cutting put on all personal protection equipment.	This is for your safety.	+	SAFETY MEASURE to reduce the amount of dust particles you breathe, protect your eyes and hands.		
REP	Measure size and cut <u>backing material</u> larger than opening in all directions.	If the <u>backing material</u> bends, sags, or moves when in place a <u>support material</u> must be used.	×	To assure <u>backing material</u> does not fall into the opening, sag bend or move.		
JOB PREP	If needed, cut <u>support material.</u>	Support material must not sag or bend when fastened.	×	To support both <u>backing and</u> <u>spray foam materials.</u>		
	Fasten any <u>support material</u> in place.	Do not use nails.	×	Driving nails may crack ceiling finish in house.		
BACKING MATERIAL	Install <u>backing material.</u>					
AIR SEALING	Spray foam.	 Assure 100% of the edge and all penetrations are air sealed. The finished foam seal must be rigid and completely covering the <u>backing</u> <u>material.</u> 	×	 To provide good adhesion to the edges. To assure foam and <u>backing</u> <u>material</u> does not fall into the opening nor will sag, bend, move or leak air. 		
FINAL	Check your work and record it on the Process Improvement form.	Be thorough, be the best critic of your work. Finding and fixing mistakes at the point of work saves the company money.	×	Assures defect free work, customer success and supports your crew and company's com- mitment to quality.		
	Provide I	Feedback on Ways to Improve Proc	ess			

4 - /	4- ATTIC CRITICAL DETAIL: OPEN STAIRWELL (SPRAY FOAM)						
MA.	MATERIALS: TOOLS:						
Bac	king Material						
Sup	port Material						
Fast	teners						
Sea	lants						
DEC							
	liminate bending, sagging or mo	not enter or exit the house througl ovement.	i the	open stairweil.			
3) A	dhesion of sealants to all surface	es to be air sealed in order to stop	the p	passage of air.			
	🗙 Makes or Breaks the Job	+ Could Injure the Worker	1	Makes the Job Easier			
	IMPORTANT STEPS	KEY STEPS		REASON			
SAFETY	Before entering attic or cutting put on all personal protection equipment.	This is for your safety.	+	SAFETY MEASURE to reduce the amount of dust particles you breathe, protect your eyes and hands.			
REP	Measure size and cut <u>backing material</u> larger than opening in all directions.	If the <u>backing material</u> bends, sags, or moves when in place a <u>support material</u> must be used.	×	To assure <u>backing material</u> does not fall into the opening, sag bend or move.			
JOB PREP	If needed, cut <u>support material.</u>	Support material must not sag or bend when fastened.	×	To support both <u>backing and</u> <u>spray foam materials.</u>			
	Fasten any <u>support material</u> in place.	Do not use nails.	×	Driving nails may crack ceiling finish in house.			
BACKING MATERIAL	Install <u>backing material.</u>						
AIR SEALING	Spray foam.	 Assure 100% of the edge and all penetrations are air sealed. The finished foam seal must be rigid and completely covering the <u>backing</u><u>material.</u> 	×	 To provide good adhesion to the edges. To assure foam and <u>backing</u> <u>material</u> does not fall into the opening nor will sag, bend, move or leak air. 			
FINAL	Check your work and record it on the Process Improvement form.	Be thorough, be the best critic of your work. Finding and fixing mistakes at the point of work saves the company money.	×	Assures defect free work, customer success and supports your crew and company's com- mitment to quality.			
	Provide I	Feedback on Ways to Improve Proc	ess				

Revision Date

5 -	5 - ATTIC CRITICAL DETAIL: OPEN WALL CAVITY (SPRAY FOAM)				
MA.	FERIALS:		TOOLS:		
Bac	king Material				
Sup	port Material				
	teners				
Sea	lants				
	SIRED OUTCOME(S): 1) Air does n		exit the house through	n the	open wall cavity.
	liminate bending, sagging or mo dhesion of sealants to all surface		ealed in order to stop	the p	bassage of air.
	X Makes or Breaks the Job		njure the Worker	V	Makes the Job Easier
	IMPORTANT STEPS	ŀ	KEY STEPS		REASON
SAFETY	Before entering attic or cutting put on all personal protection equipment.	This is for you	r safety.	+	SAFETY MEASURE to reduce the amount of dust particles you breathe, protect your eyes and hands.
JOB PREP	Measure size and cut <u>backing material</u> larger than opening in all directions.				
BACKING MATERIAL	Install <u>backing material.</u>				
AIR SEALING	Spray foam.	etrations are a 2) The finished	% of the edge and all pen- air sealed. d foam seal must be rigid ly covering the <u>backing</u>	×	 To provide good adhesion to the edges. To assure foam and <u>backing</u> <u>material</u> does not fall into the opening nor will sag, bend, move or leak air.
FINAL	Check your work and record it on the Process Improvement form.	work. Finding	be the best critic of your and fixing mistakes at vork saves the company	×	Assures defect free work, customer success and supports your crew and company's com- mitment to quality.
	Provide Feedback on Ways to Improve Process				

Revision Date

6 -	6 - ATTIC CRITICAL DETAIL: OPEN FLOOR SYSTEM (SPRAY FOAM)				
MA	TERIALS:	TOOLS:			
Bac	king Material				
Sup	port Material				
Fast	eners				
Sea	lants				
DES	SIRED OUTCOME(S): 1) Air does n	not enter or exit the house through	a the	open floor system	
2) E	liminate bending, sagging or mo	vement.			
3) A	dhesion of sealants to all surface	es to be air sealed in order to stop	the p	bassage of air.	
	X Makes or Breaks the Job	+ Could Injure the Worker	1	Makes the Job Easier	
	IMPORTANT STEPS	KEY STEPS		REASON	
SAFETY	Before entering attic or cutting put on all personal protection equipment.	This is for your safety.	+	SAFETY MEASURE to reduce the amount of dust particles you breathe, protect your eyes and hands.	
REP	Measure size and cut <u>backing material</u> larger than opening in all directions.	If the <u>backing material</u> bends, sags, or moves when in place a <u>support material</u> must be used.	×	To assure <u>backing material</u> does not fall into the opening, sag bend or move.	
JOB PREP	If needed, cut <u>support material.</u>	Support material must not sag or bend when fastened.	×	To support both <u>backing and</u> <u>spray foam materials.</u>	
	Fasten any <u>support material</u> in place.	Do not use nails.	×	Driving nails may crack ceiling finish in house.	
BACKING MATERIAL	Install <u>backing material.</u>				
AIR SEALING	Spray foam.	 Assure 100% of the edge and all penetrations are air sealed. The finished foam seal must be rigid and completely covering the <u>backing</u> <u>material.</u> 	×	 To provide good adhesion to the edges. To assure foam and <u>backing</u> <u>material</u> does not fall into the opening nor will sag, bend, move or leak air. 	
FINAL	Check your work and record it on the Process Improvement form.	Be thorough, be the best critic of your work. Finding and fixing mistakes at the point of work saves the company money.	×	Assures defect free work, customer success and supports your crew and company's com- mitment to quality.	
	Provide F	eedback on Ways to Improve Proc	ess		

7 -	7 - ATTIC CRITICAL DETAIL: WALL TOP PLATE CRACKS, HOLES & PENETRATIONS (SPRAY FOAM)						
MA.	MATERIALS: TOOLS:						
Bac	king Material						
Sup	port Material						
Fast	teners						
Sea	lants						
1) A		se through wall top plate cracks, he es to be air sealed in order to stop t					
	🗙 Makes or Breaks the Job	+ Could Injure the Worker	1	Makes the Job Easier			
	IMPORTANT STEPS	KEY STEPS		REASON			
SAFETY	Before entering attic or cutting put on all personal protection equipment.	This is for your safety.	+	SAFETY MEASURE to reduce the amount of dust particles you breathe, protect your eyes and hands.			
AIR SEALING	Spray foam.	 Assure 100% of the edge and all penetrations are air sealed. The finished foam sealed must be rigid and completely covering wall top plate 	×	 To stop air leakage into and out of the wall. To assure foam seal does not fall into the wall top plate cracks, holes, and penetrations 			
		cracks, holes and penetrations.		nor will sag, bend, move or leak air.			
FINAL	Check your work and record it on the Process Improvement form.	Be thorough, be the best critic of your work. Finding and fixing mistakes at the point of work saves the company money.	×	Assures defect free work, customer success and supports your crew and company's com- mitment to quality.			
	Provide Feedback on Ways to Improve Process						

ATTIC CRITICAL DETAIL: ADJACENT FRAMING PLATE CRACKS, HOLES & PENETRATIONS (SPRAY FOAM) **MATERIALS: TOOLS:** Backing Material Support Material Fasteners Sealants **DESIRED OUTCOME(S):** 1) Air does not enter or exit the house through adjacent framing cracks, holes, and penetrations. 2) Adhesion of sealants to all surfaces to be air sealed in order to stop the passage of air. Makes the Job Easier X Makes or Breaks the Job + Could Injure the Worker **IMPORTANT STEPS KEY STEPS** REASON **SAFETY MEASURE** to reduce the SAFETY Before entering attic or cutting put on amount of dust particles you This is for your safety. ÷ all personal protection equipment. breathe, protect your eyes and hands. 1) To stop air leakage into and 1) Assure 100% of the edge and all penout of the wall. **AIR SEALING** etrations are air sealed. 2) To assure foam seal does not Spray foam. × 2) The finished foam sealed must be rigid fall into the adjacent cracks, and completely covering adjacent framholes, and penetrations nor will ing cracks, holes and penetrations. sag, bend, move or leak air. Be thorough, be the best critic of your Assures defect free work, FINAL Check your work and record it on the work. Finding and fixing mistakes at customer success and supports X the point of work saves the company Process Improvement form. your crew and company's commoney. mitment to quality.

Provide Feedback on Ways to Improve Process

9 - ATTIC CRITICAL DETAIL: PLUMBING, WIRING, NON-COMBUSTION VENTING & DUCTING PENETRATIONS (SPRAY FOAM)

MATERIALS:	TOOLS:
Backing Material	
Support Material	
Fasteners	
Sealants	

<u>DESIRED OUTCOME(S)</u>: 1) Air does not enter or exit the house through plumbing, wiring, non-combustion venting, and ducting penetrations.

.

2) Adhesion of sealants to all surfaces to be air sealed in order to stop the passage of air.

	🗙 Makes or Breaks the Job	🕇 Could Injure the Worker	1	Makes the Job Easier	
	IMPORTANT STEPS	KEY STEPS		REASON	
SAFETY	Before entering attic or cutting put on all personal protection equipment.	This is for your safety.	+	SAFETY MEASURE to reduce the amount of dust particles you breathe, protect your eyes and hands.	
AIR SEALING	Spray foam.	 Assure 100% of the edge and all pen- etrations are air sealed. The finished foam sealed must be rigid and completely covering plumbing, wir- ing, non-combustion venting & ducting penetrations. 	×	 To stop air leakage into and out of the wall. To assure foam seal does not fall into the plumbing, wiring, non-combustion venting & ducting penetrations nor will sag, bend, move or leak air. 	
FINAL	Check your work and record it on the Process Improvement form.	Be thorough, be the best critic of your work. Finding and fixing mistakes at the point of work saves the company money.	×	Assures defect free work, customer success and supports your crew and company's com- mitment to quality.	
	Provide Feedback on Ways to Improve Process				

11 - ATTIC CRITICAL DETAIL: ATTIC ACCESS HATCHES & DOORS MATERIALS: TOOLS:						
Sup Fast	Air Barrier					
doo		ot enter or exit the house throug surfaces to be air sealed in order t g will stop the passage of air. Could Injure the Worker				
	IMPORTANT STEPS	KEY POINTS		REASON		
SAFETY	Before entering attic or cutting put on all personal protection equipment.	This is for your safety.	+	SAFETY MEASURE to reduce the amount of dust particles you breathe, protect your eyes and hands.		
AIR SEALING	Air seal ALL edges and penetrations around attic access hatches and doors.	Assure 100% of the edge and all penetra- tions are air sealed with <u>sealants</u> .	×	To stop air leakage into and out of attic.		
WEATHER-STRIP	Weather-strip access hatches and doors.					
FINAL	Check your work and record it on the Process Improvement form.	Be thorough, be the best critic of your work. Finding and fixing mistakes at the point of work saves the company money.	×	Assures defect free work, customer success and supports your crew and company's com- mitment to quality.		
	Provide Feedback on Ways to Improve Process					

10 - ATTIC CRITICAL DETAIL: INTERIOR FINISH PENETRATIONS (SPRAY FOAM)

MATERIALS:	TOOLS:
Backing Material	
Support Material	
Fasteners	
Sealants	

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DESIRED OUTCOME(S):

Air does not enter or exit the house through interior finish penetrations.
 Adhesion of sealants to all surfaces to be air sealed in order to stop the passage of air.

	X Makes or Breaks the Job	+ Could Injure the Worker	1	Makes the Job Easier	
	IMPORTANT STEPS	KEY STEPS		REASON	
SAFETY	Before entering attic or cutting put on all personal protection equipment.	This is for your safety.	+	SAFETY MEASURE to reduce the amount of dust particles you breathe, protect your eyes and hands.	
AIR SEALING	Spray foam.	 Assure 100% of the edge and all pen- etrations are air sealed. The finished foam sealed must be rigid and completely covering interior finish penetrations. 	×	 To stop air leakage into and out of the wall. To assure foam seal does not fall into the interior finish penetrations nor will sag, bend, move or leak air. 	
FINAL	Check your work and record it on the Process Improvement form.	Be thorough, be the best critic of your work. Finding and fixing mistakes at the point of work saves the company money.	×	Assures defect free work, customer success and supports your crew and company's com- mitment to quality.	
	Provide Feedback on Ways to Improve Process				

12 - ATTIC CRITICAL DETAIL: FIRE RATED WALL & FLOOR PENETRATIONS

MATERIALS:	TOOLS:
Air Barrier	
Support Material	
Fasteners	
Sealants	

DESIRED OUTCOME(S): 1) Air does not enter or exit the house through fire rated wall and floor penetrations. 2) Reduce the spread of fire and smoke. 3)Reduce the occurrence of fire due the closeness of air barrier system and a combustion source. 4) Eliminate bending, sagging or movement that may result in air leakage. 5) Eliminate cracking of ceiling materials and nail pops that may result in additional air leakage 6) Adhesion of the sealant to all surfaces to be sealed in order to stop the passage of air.

🗙 Makes or Breaks the Job		+ Could Injure the Worker		✓ Makes the Job Easier		
IMPORTANT STEPS K		KEY POINTS	REASON			
SAFETY	Before entering attic or cutting put on all personal protection equipment.	This is for your safety.	+	SAFETY MEASURE to reduce the amount of dust particles you breathe, protect your eyes and hands.		
AIR SEALING	Air seal ALL penetrations through fire rated walls and floors	Assure 100% of the edge and all pen- etrations are air sealed with <u>fire rated</u> <u>sealants</u> .	×	To stop air leakage into and out of fire rated walls or floors.		
FINAL	Check your work and record it on the Process Improvement form.	Be thorough, be the best critic of your work. Finding and fixing mistakes at the point of work saves the company money.	×	Assures defect free work, customer success and supports your crew and company's com- mitment to quality.		
Provide Feedback on Ways to Improve Process						

13 - ATTIC CRITICAL DETAIL: FLUE, COMBUSTION VENTS & CHIMNEYS

MATERIALS:	TOOLS:		
Air Barrier			
Support Material			
Fasteners			
Sealants			

<u>DESIRED OUTCOME(S)</u>: 1) A fire safe air barrier that stops the passage of air into or out of the house through flue, combustion vents and chimneys. 2) Reduce the occurrence of fire due the closeness of air barrier system and a combustion source. 3) Eliminate bending, sagging or movement that may result in air leakage. 4) Eliminate cracking of ceiling materials and nail pops that may result in additional air leakage 5) Adhesion of the sealant to all surfaces to be sealed in order to stop the passage of air.

🗙 Makes or Breaks the Job		+ Could Injure the Worker		✓ Makes the Job Easier		
IMPORTANT STEPS		KEY POINTS REASON		REASON		
SAFETY	Before entering attic or cutting put on all personal protection equipment.	This is for your safety.	+	SAFETY MEASURE to reduce the amount of dust particles you breathe, protect your eyes and hands.		
JOB PREP	Measure distance of hole and allow for overlap for <u>fastening.</u>					
Ŷ	Cut <u>metal flashing material.</u>					
AIR BARRIER	Fasten <u>metal flashing material.</u>	DO NOT USE NAILS.	×	Driving nails may crack ceiling finish in house.		
AIR SEALING	Air seal ALL edges and penetrations.	Assure 100% of the edge and all pen- etrations are air sealed with <u>fire rated</u> <u>sealants.</u>	×	To stop air leakage into and out of these sites.		
FINAL	Check your work and record it on the Process Improvement form.	Be thorough, be the best critic of your work. Finding and fixing mistakes at the point of work saves the company money.	×	Assures defect free work, customer success and supports your crew and company's com- mitment to quality.		
Provide Feedback on Ways to Improve Process						