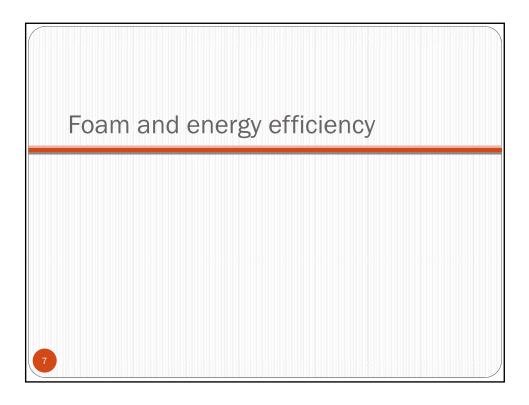
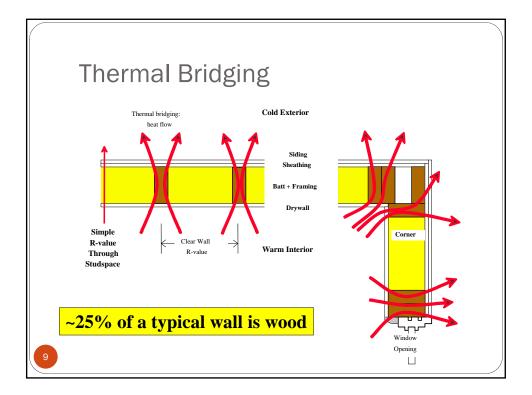
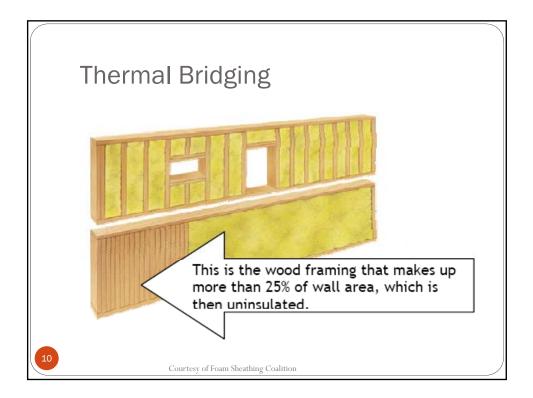


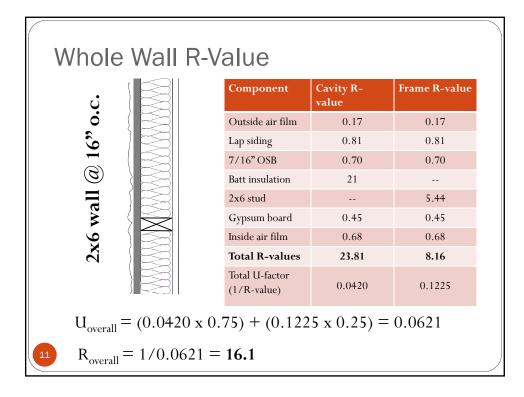
Su	mmary of Insu	Ilation Propert	ies
	Material	Fire – Must be covered	
	EPS	Yes	
	XPS	Yes	
	ISO	Yes	
<sup>6</sup> Unless t	ested and issued a specific a	pproval	

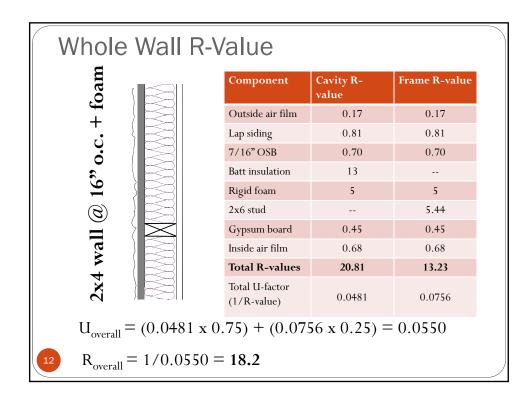


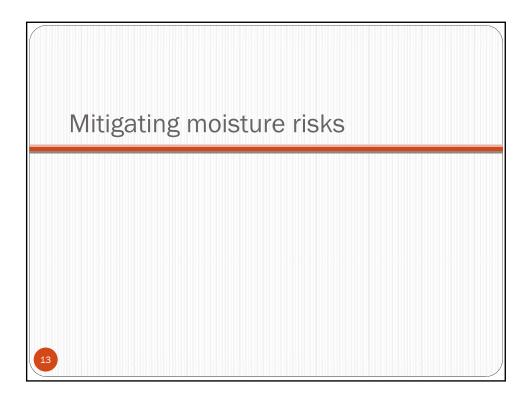


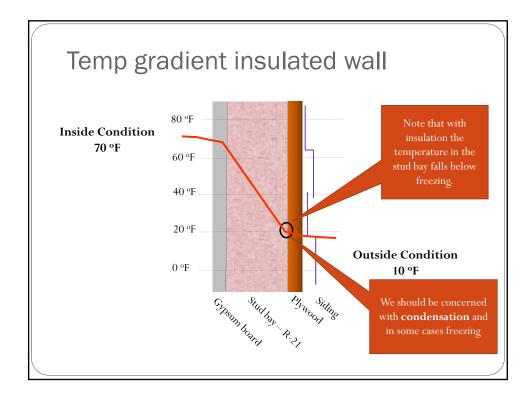


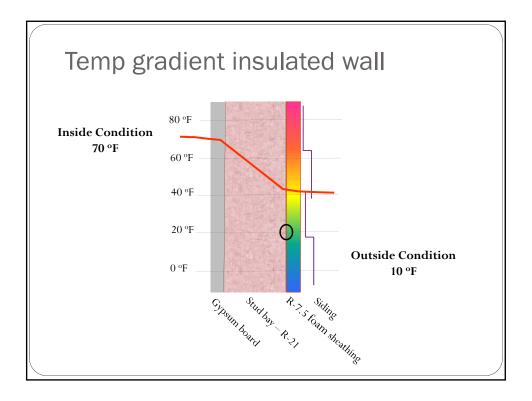


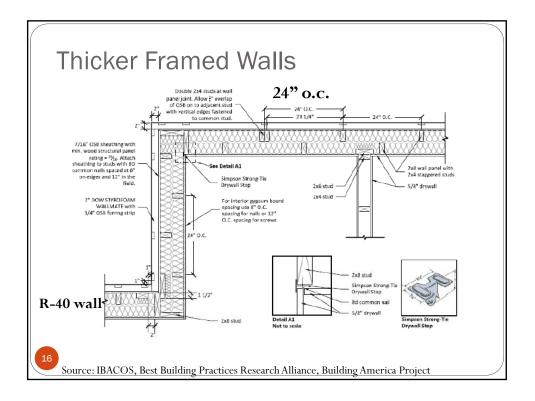




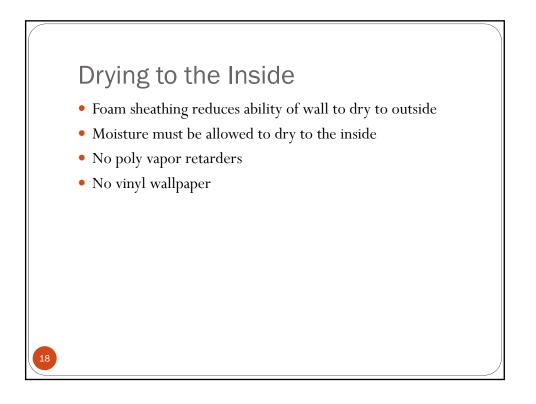


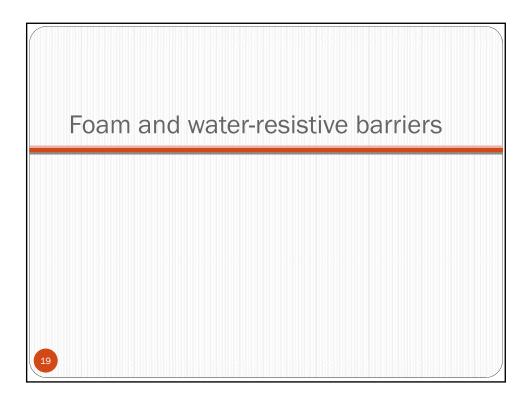


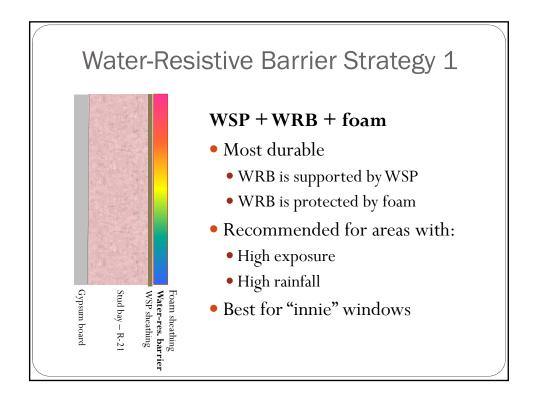


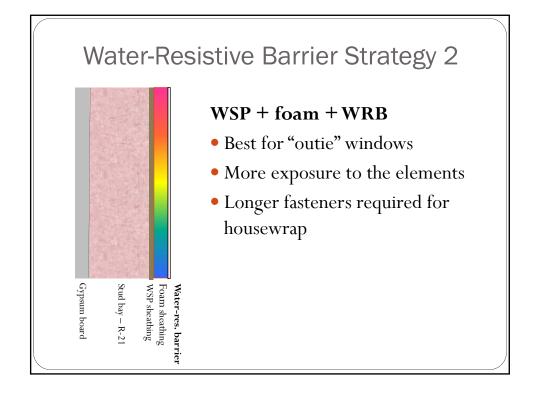


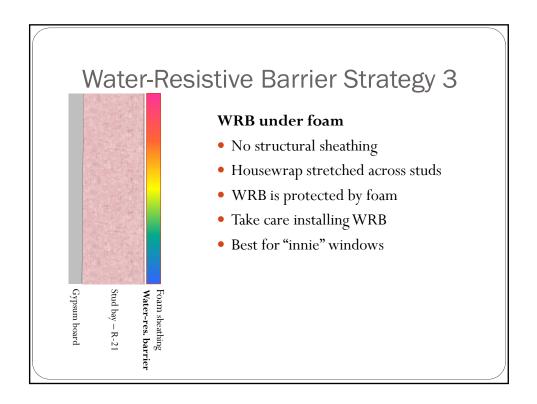
R-va		<b>g Condensation Risk</b> ass III vapor retarder (latex or enamel paint):
		IRC Table R601.3.1
	Climate Zone	Minimum R-Value of Foam Sheathing
	Marine 4	R-2.5 for 2x4 walls; R-3.75 for 2x6 walls
	5	R-5 for 2x4 walls; R-7.5 for 2x6 walls
17	6	R-7.5 for 2x4 walls; R-11.25 for 2x6 walls

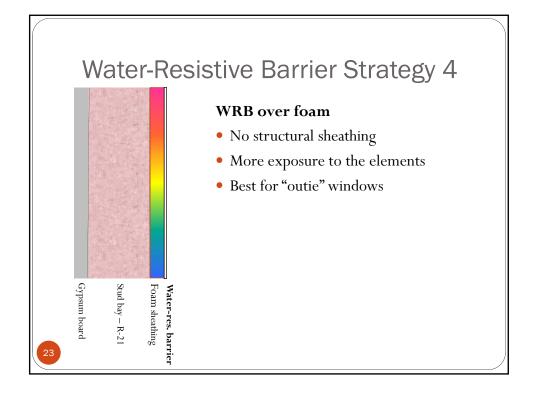


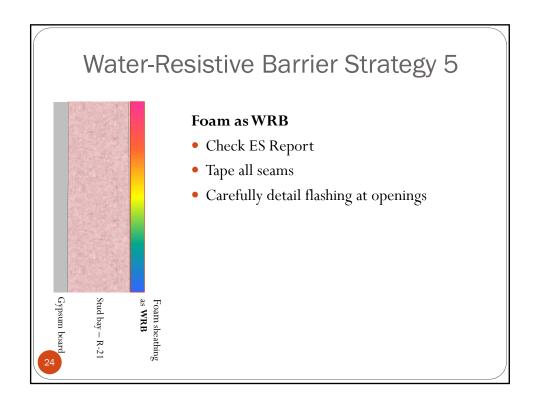






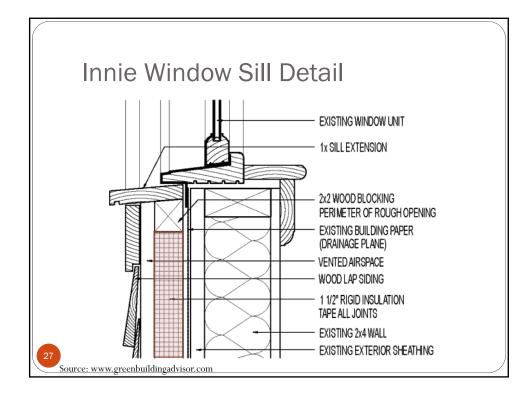


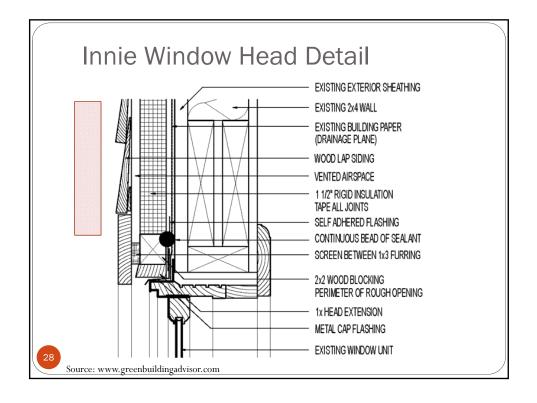


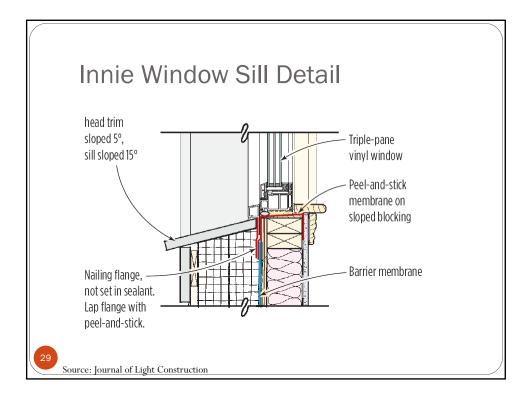


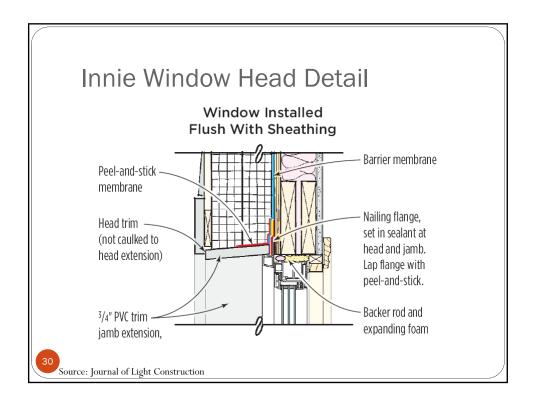




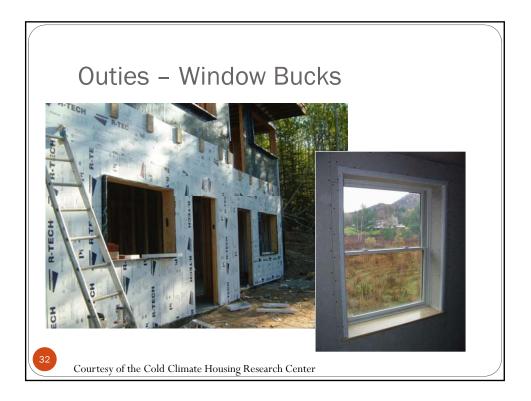


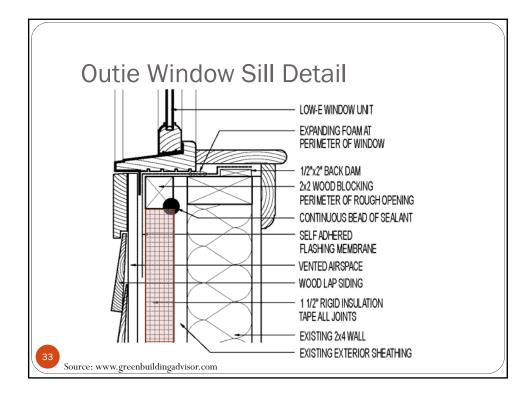


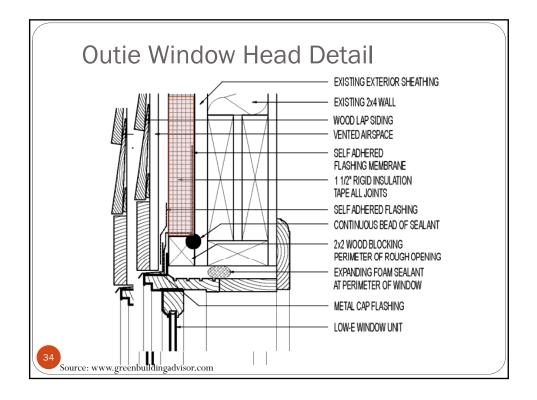


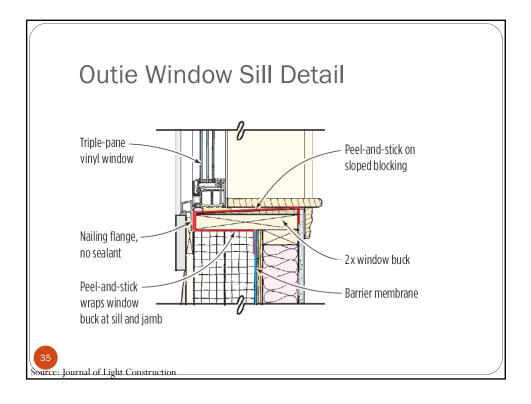


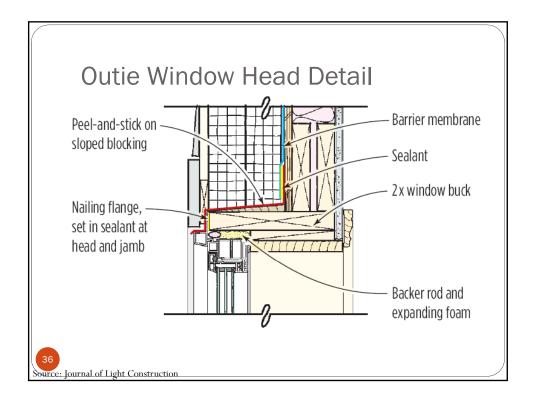


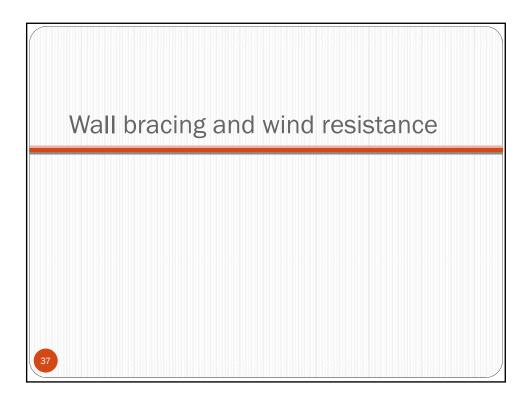








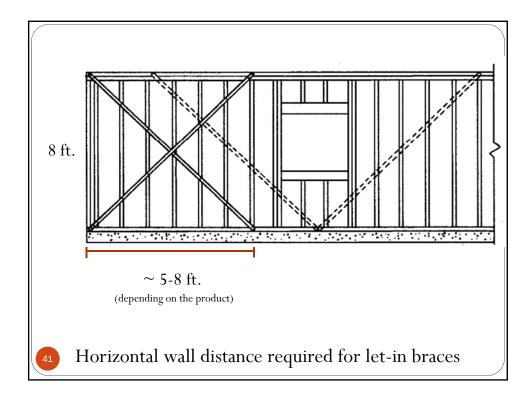


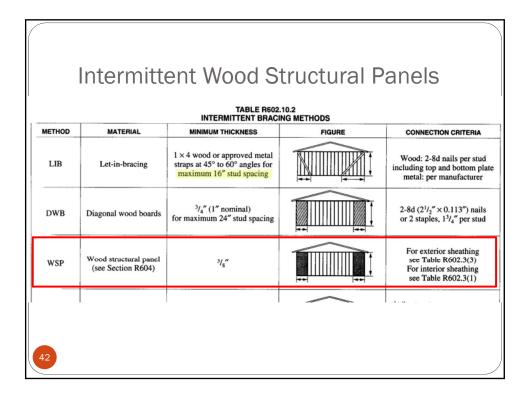


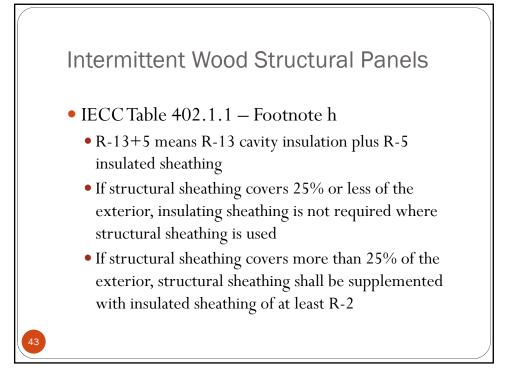
	Let-in-br			
		TABLE R602 INTERMITTENT BRACI		
METHOD	MATERIAL	MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA
LIB	Let-in-bracing	1 × 4 wood or approved metal straps at 45° to 60° angles for maximum 16" stud spacing		Wood: 2-8d nails per stud including top and bottom plate metal: per manufacturer
DWB	Diagonal wood boards	3/4'' (1" nominal) for maximum 24" stud spacing		2-8d (2 <sup>1</sup> / <sub>2</sub> " × 0.113") nails or 2 staples, 1 <sup>3</sup> / <sub>4</sub> " per stud
WSP	Wood structural panel (see Section R604)	3/ <sub>8</sub> ″		For exterior sheathing see Table R602.3(3) For interior sheathing see Table R602.3(1)
38				

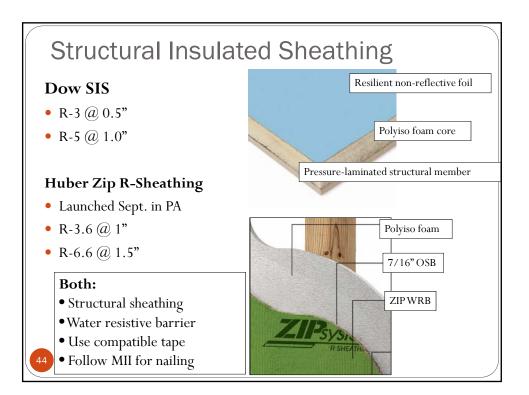
ES ICC EVALUATION SERVICE	Most Wolvy Accepted and Treeted	
ICC-ES Evaluation Report	ESR-2608* Issued April 1,008 This report is subject to re-semantic in the year.	
www.icc-es.org   (800) 423-6587   (562) 69	99-0543 A Subsidiary of the International Code Council®	
DIVISION: 05-WOOD AND PLASTICS Section: 06090-Wood and Plastics Fastenings	2.1.3 Wall Bracking Barger. The Simpson Simpson Tar wall bracking simpso devoltated in this report are designed to be	
REPORT HOLDER:		
SIMPSON STRONG-TIE COMPANY, INC. 5966 WEST LAS POSITAS BOULEVARD PLEASANTON, CALIFORNA 94588 (009) 925-6099 WWW.MICONDIN.COM	<b>3.1.3.3 WB and WBC Wall Bracing:</b> The WB and WBC wall braces are fabricated from 1 <sup>1</sup> / <sub>4</sub> inch-wide (31.7 mm)	
EVALUATION SUBJECT:		
SIMPSON STRONG-TIE STUD SHDES, PLA' WALL BRACING, AND JOIST BRIDGING FOI CONSTRUCTION	No. 16 gage galvanized steel with a series of prepunched nail holes used to fasten the metal braces to the wood wall	
1.0 EVALUATION SCOPE		
Compliance with the following codes:	studs spaced either 16 or 24 inches (406 or 610 mm) on	
<ul> <li>2006 International Residential Code<sup>®</sup> (IRC)</li> <li>2006 International Residential Code<sup>®</sup> (IRC)</li> </ul>	center. The WB and WBC wall braces resist tension loads	
Other Codes (see Section 8.0)		
Property evaluated:	only. Consequently, these wall braces must be installed in	
Structural 2.0 USES		
Simpson Strong-Tie stud shoes, plate ties, wai and jost bridging are used as wood framing con accordance with applicable sections of the IBC a follows:	pairs to resist in-plane racking shear loads applied to the top of the wall. The WBC wall bracing is similar to the WB	
2.1.1 Stud Shoe Connectors: Simpson Ston shoes described in this report are used to structural stude in exterior walks or interior partitions that have been out notched or drilled	wall bracing except that it packaged in a coil, and the coil	
to Sections 2308.9.10 and 2308.9.11 of the Section R602.6 of the IRC. When the size of the or drill hole exceeds the maximums specified in the Simpon Strong-Tie stud shoes may be used	has V-shaped notches indicating where to cut the steel strap for use as wood wall bracing. See Table 5 for the WB	
an engineered design is submitted in accord Section 2301.2 of the IBC or Section R301.1.3 c as applicable.		
2.1.2 Plate Tie Connectors: Simpson Strong tes described in this report are used to connect i bottom plates that have been out to acci	and WBC models recognized in this report, brace lengths, wall heights and brace angles measured from the	
plumbing, heating or other pipes placed in or pl well or partition in accordance with Section 2308 IBC and Section R802.6.1 of the IRC.	horizontal [8 feet (2438 mm) at 45 degrees and 60	
	degrees, and 10 feet (3048 mm) at 45 degrees], and the	
R.V. 43 Evaluation Reports are not as for overstand as representing and as an endersonner of the subject of the report or a reconstruction for our are phase or other master in this report, or at to any product covers Copyright © 2008.	fastener schedule. See Figure 5a for a drawing of the WB	
	brace, Figure 5b for the WBC brace, and Figure 5c for wall braces installed X-pairs or in opposing V-pairs.	

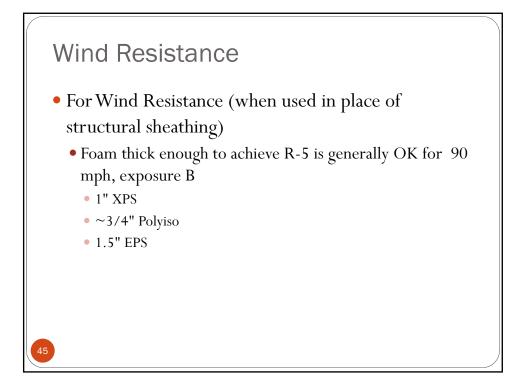
MODEL	STRAP LENGTH	WALL HEIGHT	REQUIRED INSTALLATION ANGLE OF THE WB AND WBC BRACES	FASTE (Quantit	
NO.	(feet - inches)	(feet)	FROM THE HORIZONTAL <sup>4</sup> (degree)	Top and Bottom Plates	Each Stud
WB106	9' - 5 <sup>5</sup> /8"	8	60°	2-16d	18d
WB126	11'-4 <sup>3</sup> /8"	8	45°	2-16d	1-8d
WB106C	9' - 6"	8	60°	2-16d	1-8d
WB126C	11' - 4 <sup>13</sup> / <sub>16</sub> "	8	45°	2-16d	18d
WB143C	14' - 3"	10	45°	2-16d	18d
ominal 1x4 of other brace	diagonal wood brace let d wall construction met	t into studs. The WB and thods described in the	ernates only to the code prescribed brace d WBC wall bracing straps are not recogr code. y, the WB and WBC straps must be instal	nized to replace or be	used as altern
ominal 1x4 of o other brace The WB and llowable in-p ot be combin bading. Sum llowed. The wall stud	diagonal wood brace let d wall construction met WBC resist tension lou lane racking shear load ned with other shear re ming shear capacities ds may be spaced 16 in	aps can be used as all into studs. The WB and thods described in the ads only. Consequent d of a wall braced with sisting elements or co of the WB or WBC w ches on center or 24 in	nd WBC wall bracing straps are not recogr code. y, the WB and WBC straps must be instal the CWB strap installed in "X" pairs or in o mponents. This allowable racking shear lo all braces with dissimilar materials applie ches on center. the installation angle specified in the table.	nized to replace or be led in pairs, as show pposing "V" fashion i ad must not be incre d to either side of th	e used as altern m in Figure 5c. s 180 lbs, and r ased for short t
ominal 1x4 of o other brace The WB and llowable in-p ot be combin bading. Sum llowed. The wall stud	diagonal wood brace let d wall construction met WBC resist tension lou lane racking shear load ned with other shear re ming shear capacities ds may be spaced 16 in	into studs. The WB at thods described in the ads only. Consequent d of a wall braced with sisting elements or co of the WB or WBC w ches on center or 24 in os must be installed at	nd WBC wall bracing straps are not recogr code. y, the WB and WBC straps must be instal the CWB strap installed in "X" pairs or in o mponents. This allowable racking shear to all braces with dissimilar materials applie ches on center. the installation angle specified in the table.	nized to replace or be led in pairs, as show pposing "\" fashion i ad must not be incre d to either side of th	e used as altern m in Figure 5c. s 180 lbs, and r lased for short t ne same wall is

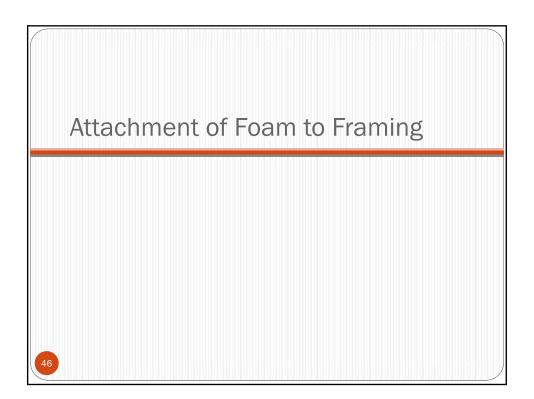


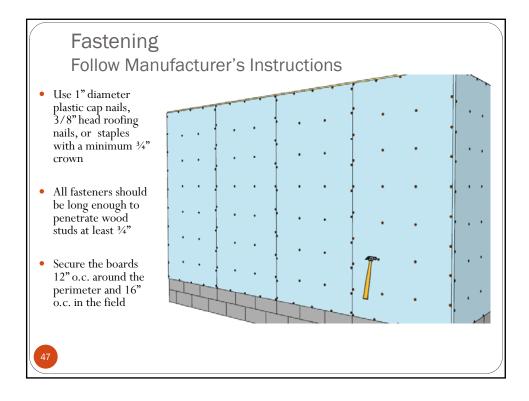


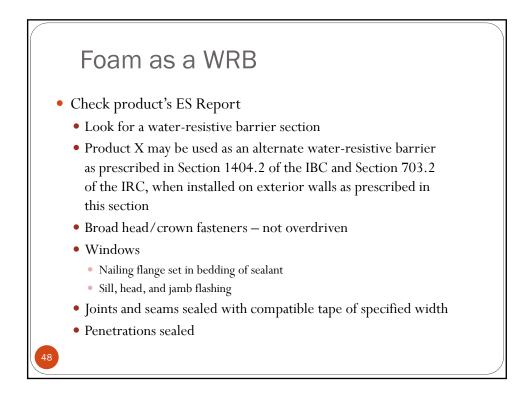


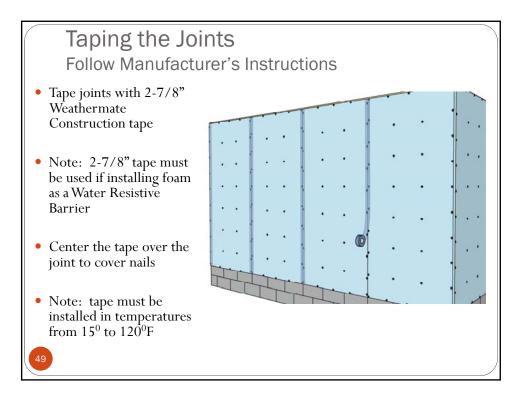


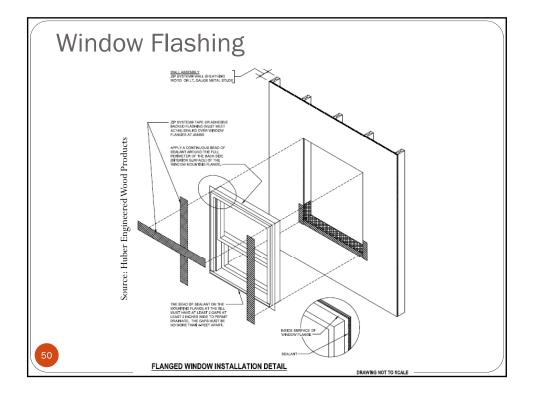


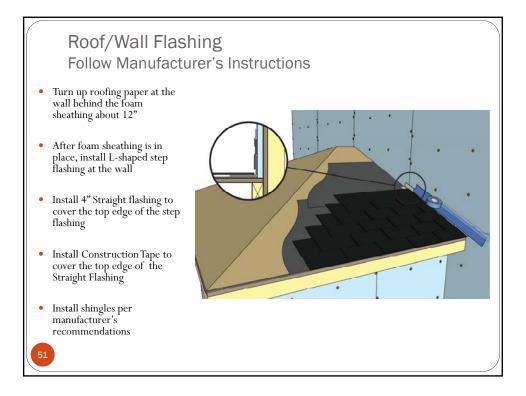


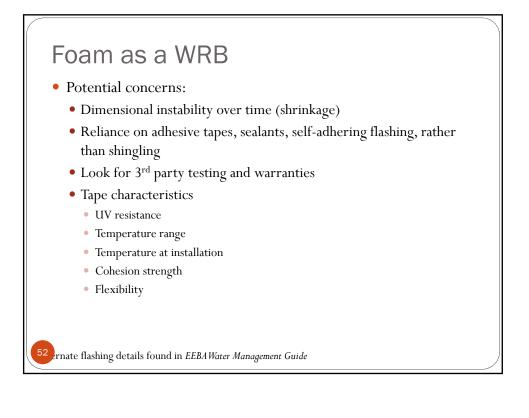




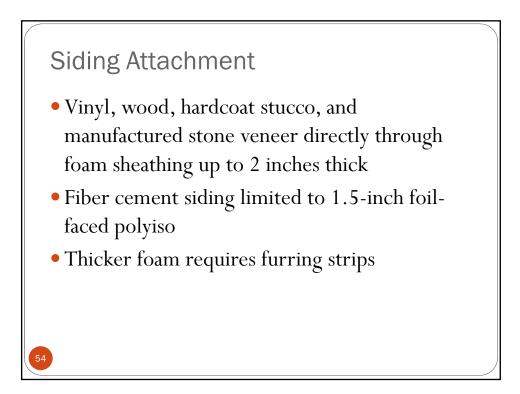




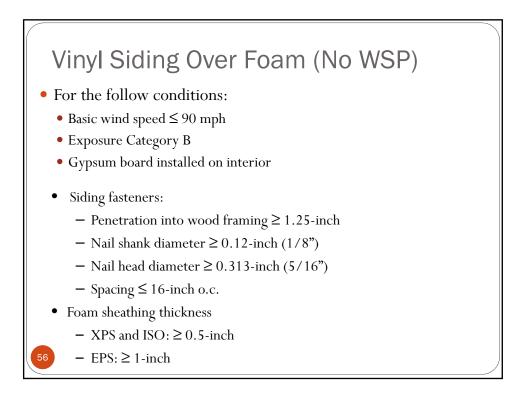


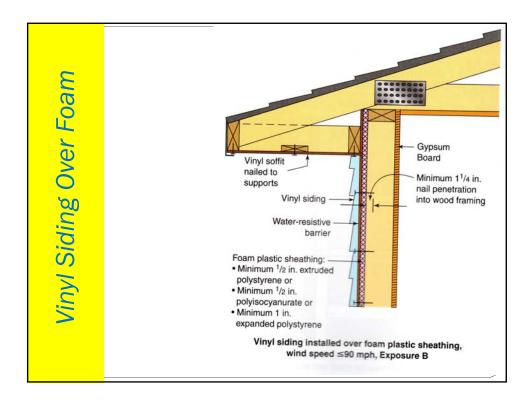


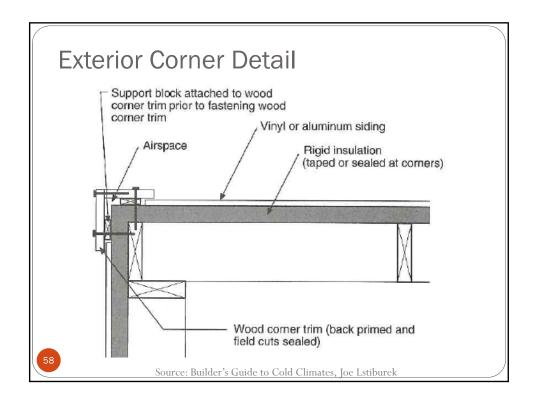












## Summary

- Identify type of foam to be used/has been used
- Specify foam thick enough to avoid condensation
- Decide where to locate water-resistive barrier
- Consider wall bracing options at the design phase
- Innie or outie windows
  - Jamb extensions for innies
  - Window bucks for outies
- Proper flashing at openings
- Attach foam to framing per manufacturer's instructions
- Tape seams for air barrier and WRB
- Fasten siding through foam to framing or use furring strips