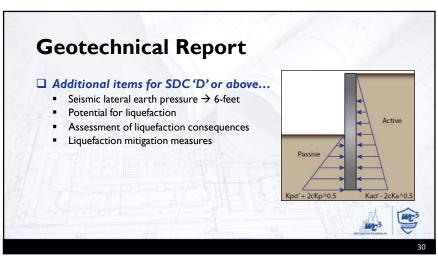


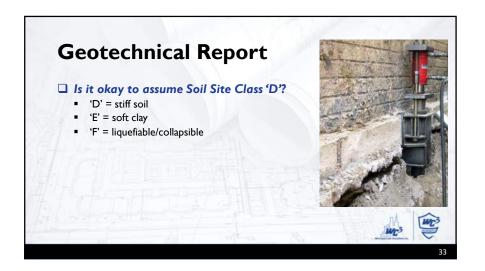


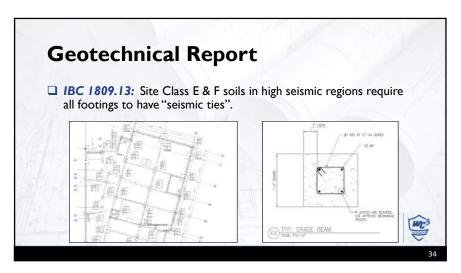
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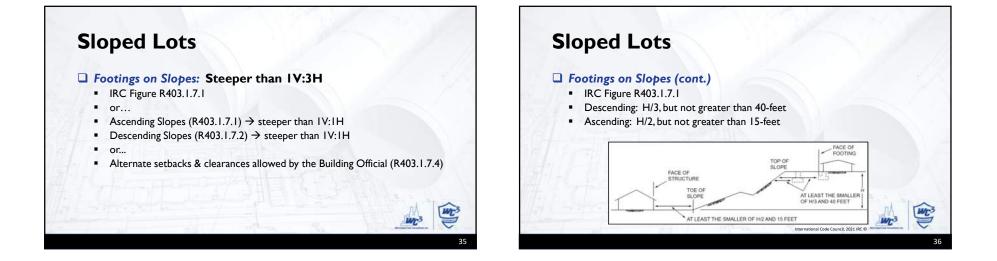


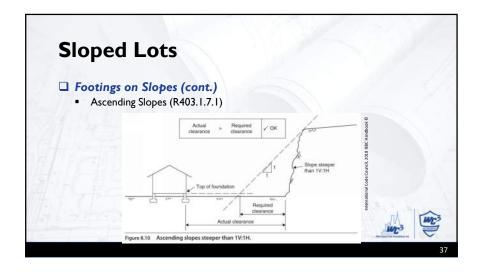


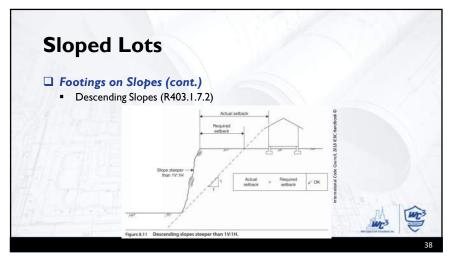


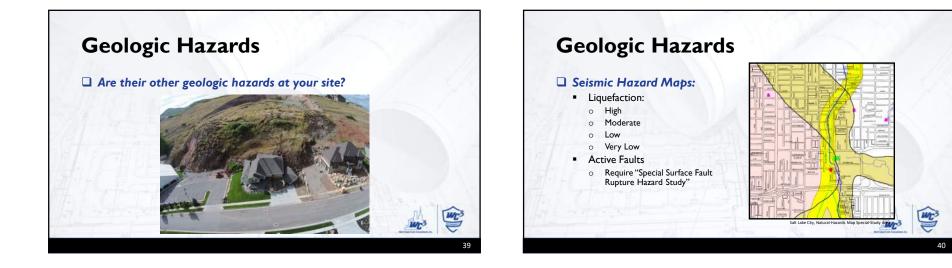




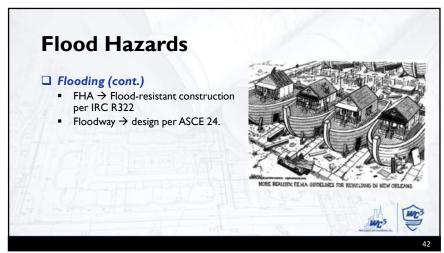


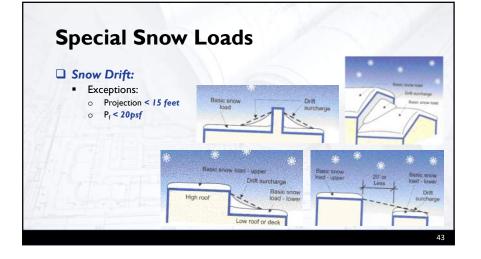


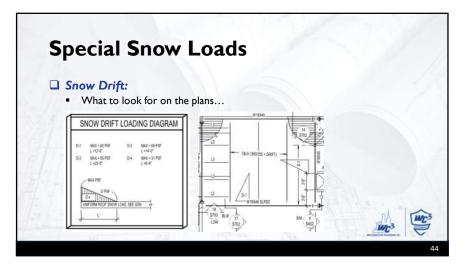


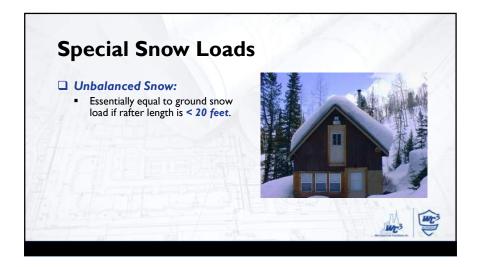




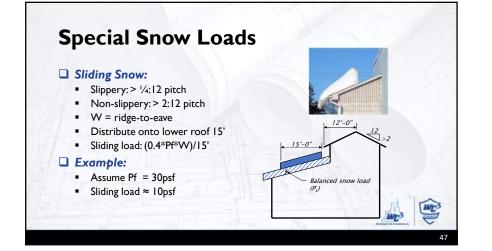






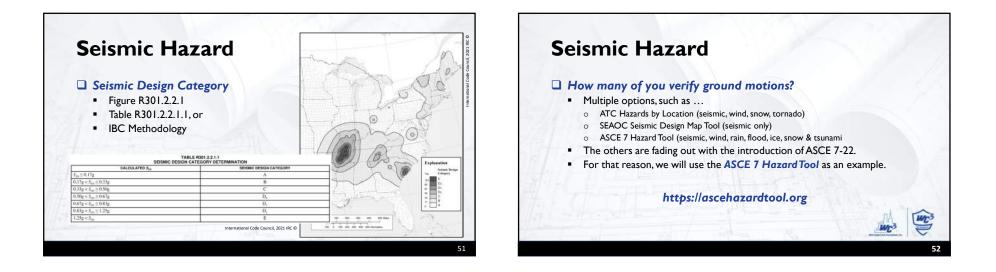




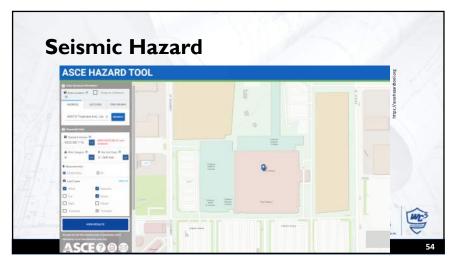














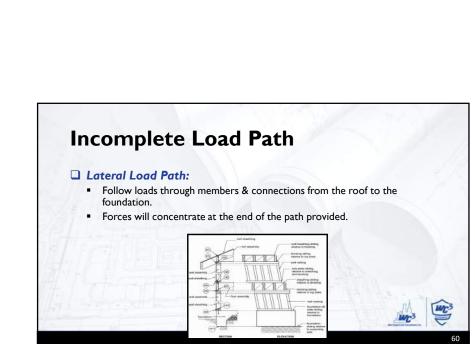


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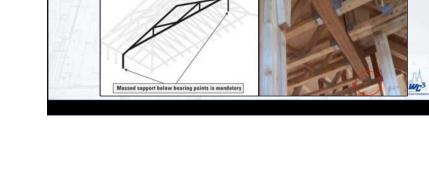
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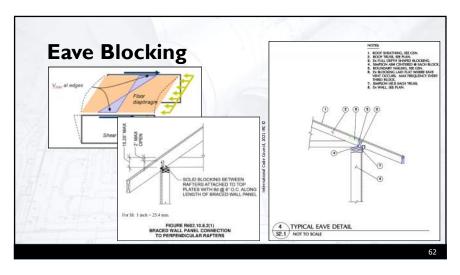


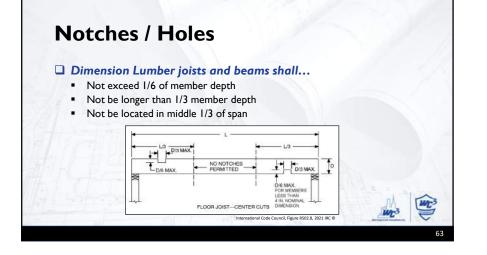
**Incomplete Load Path** 

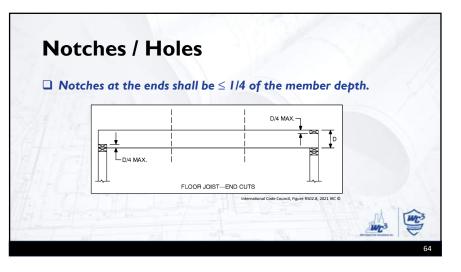
Example: Girder Truss support

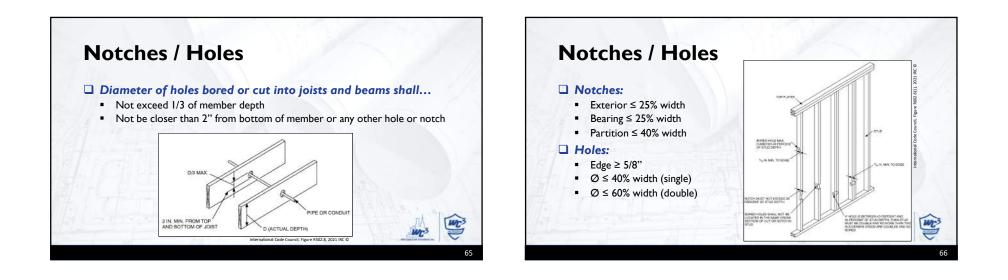
Gravity Load Path (cont.)







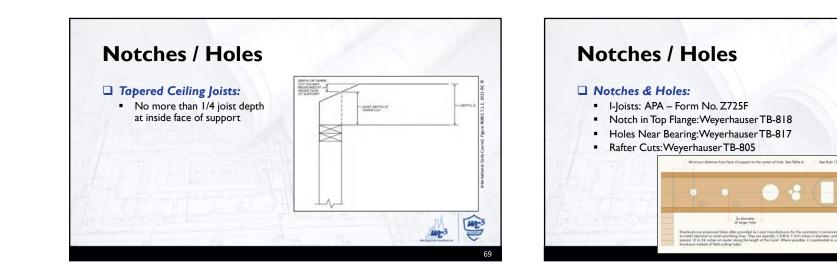


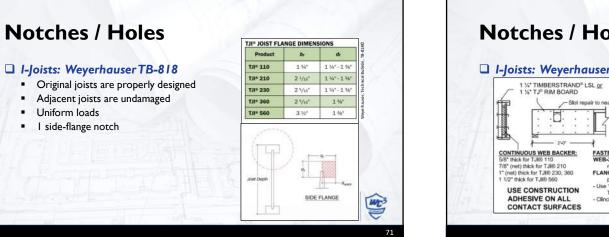


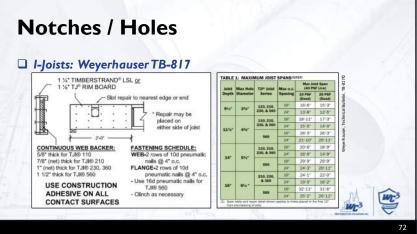


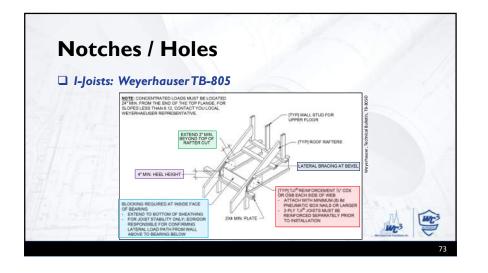
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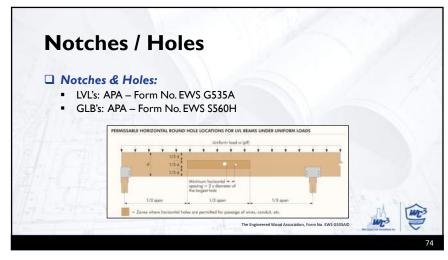
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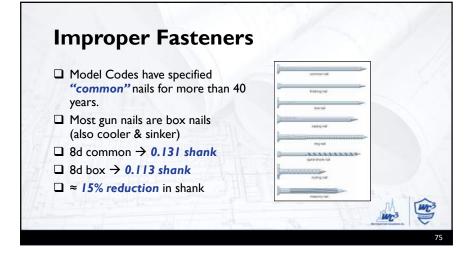


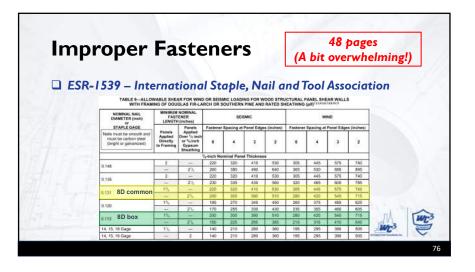


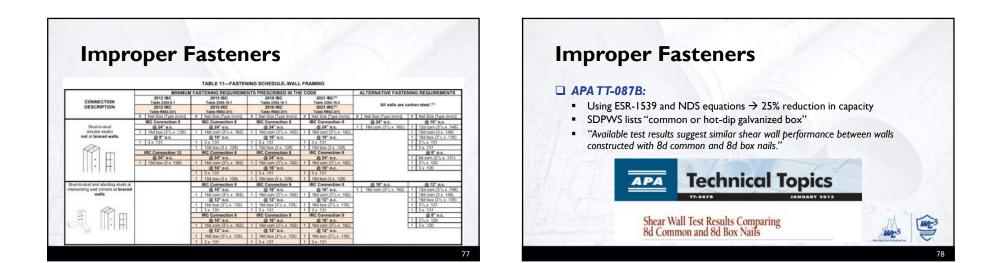


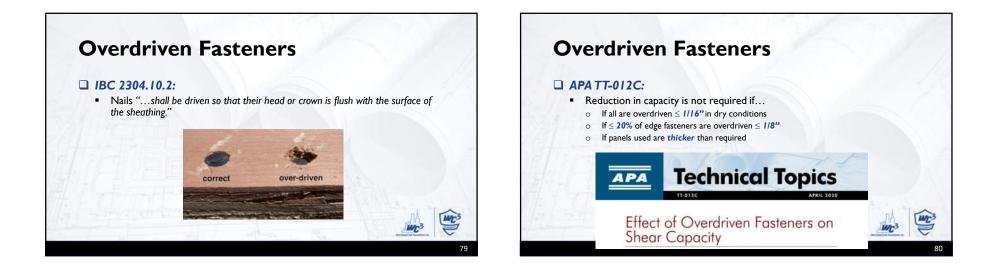


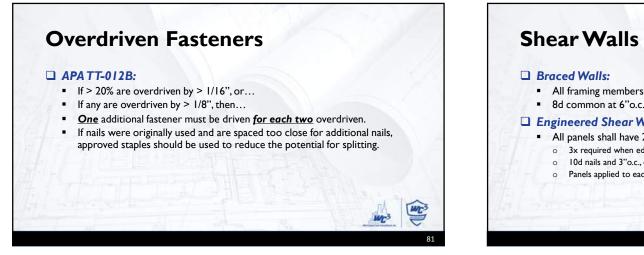


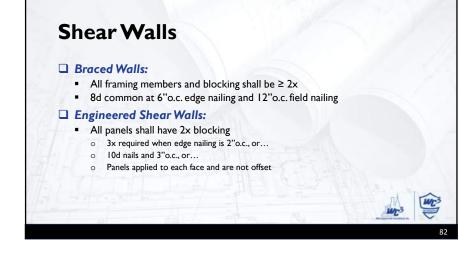


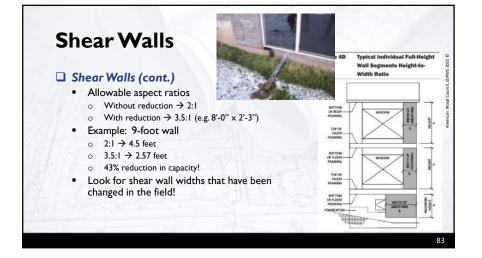


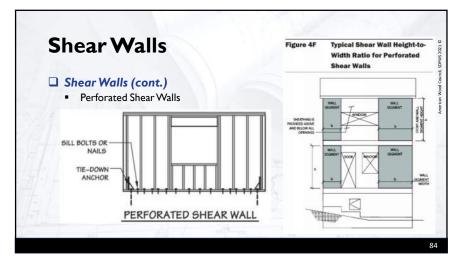


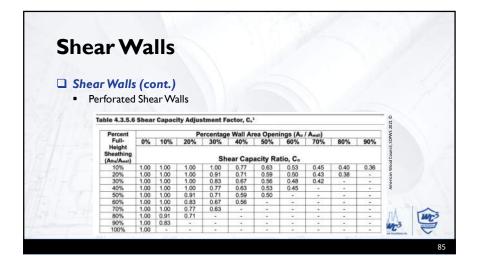


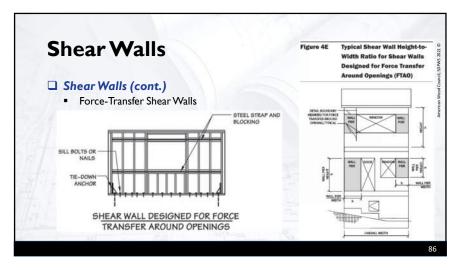


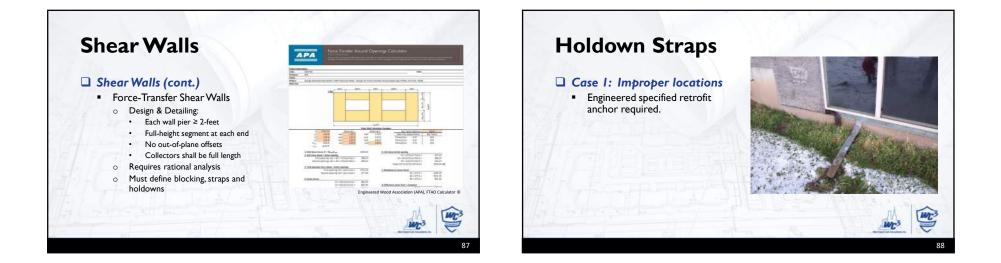


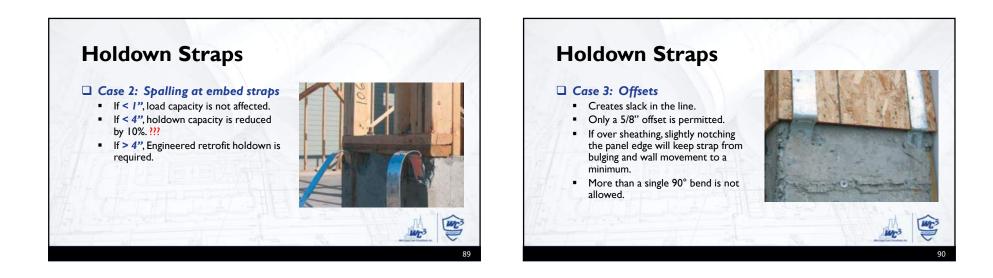


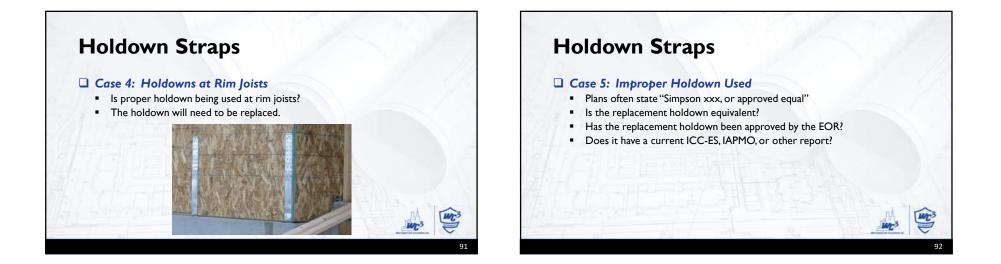


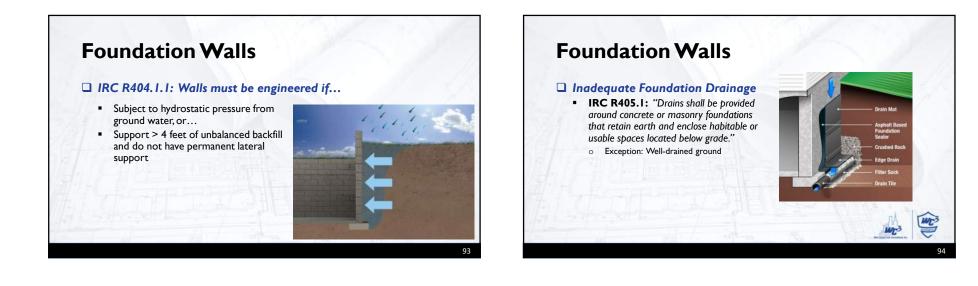


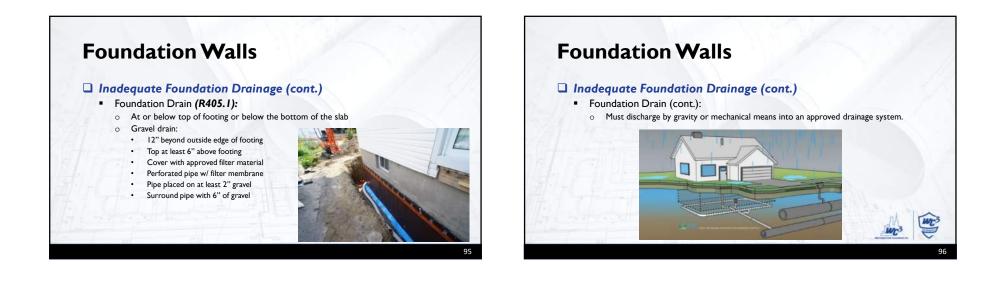




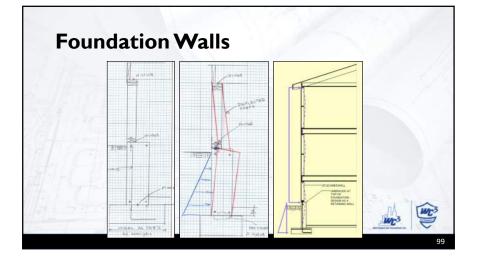


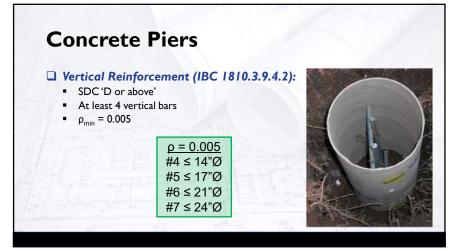


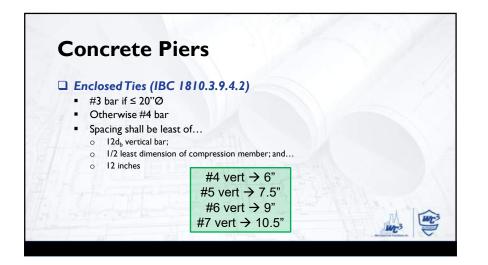


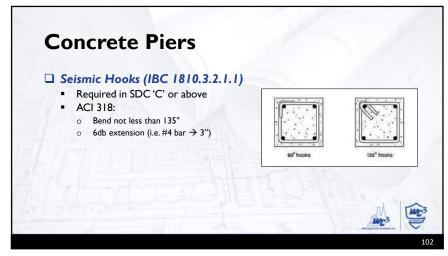


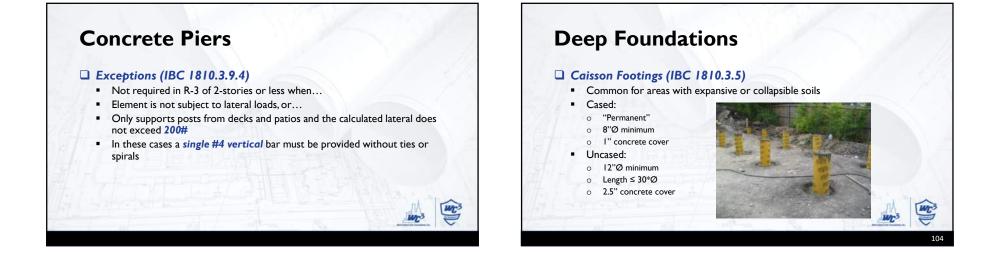




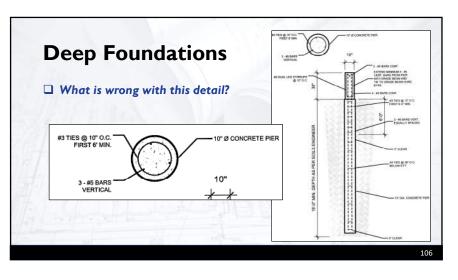








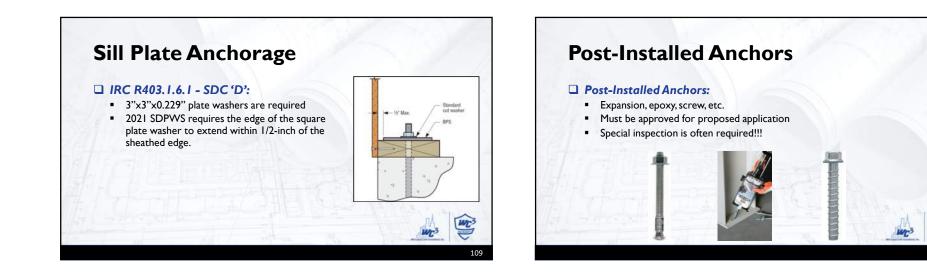


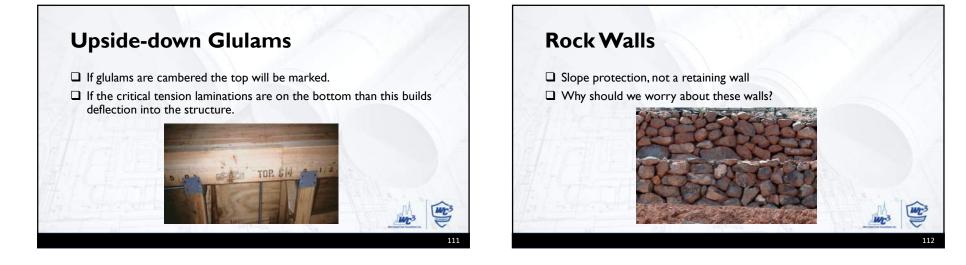


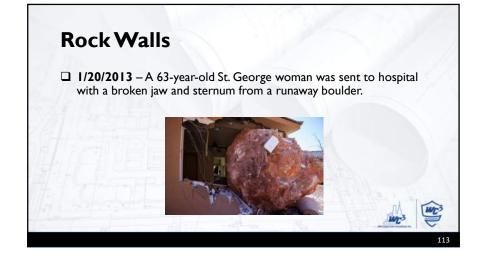


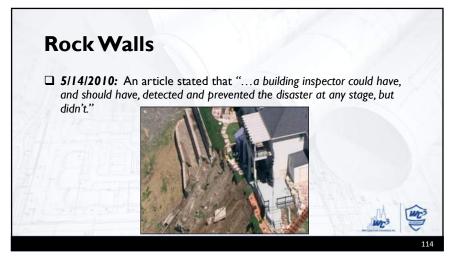
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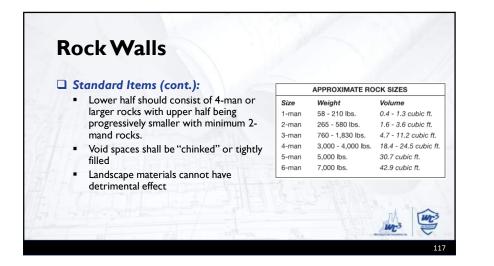


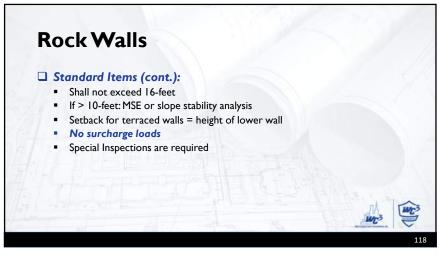


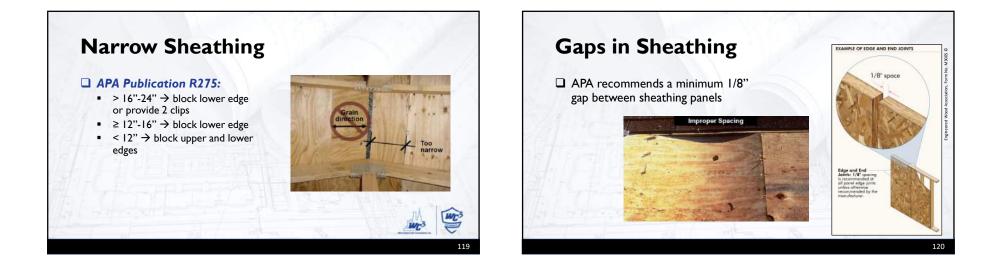


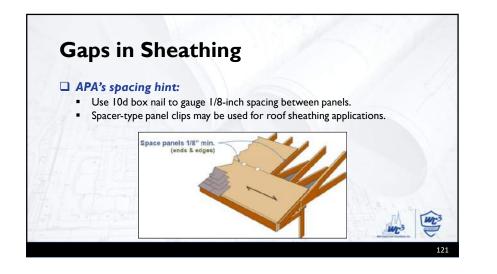


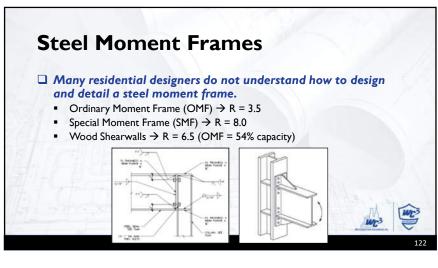


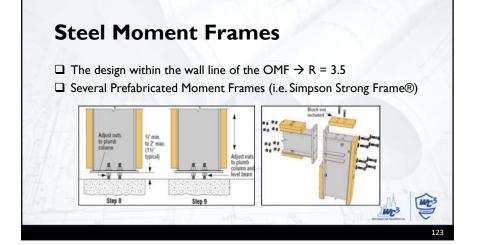


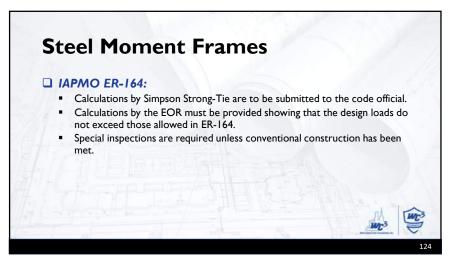


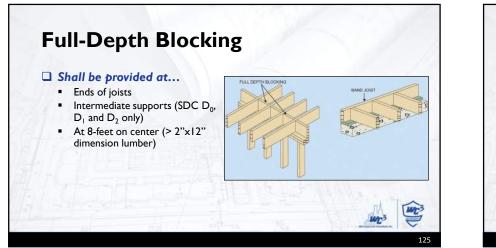


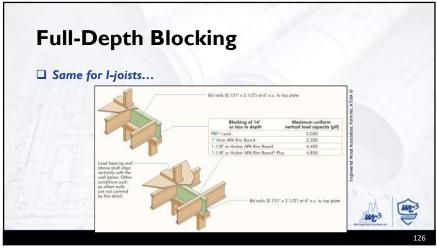


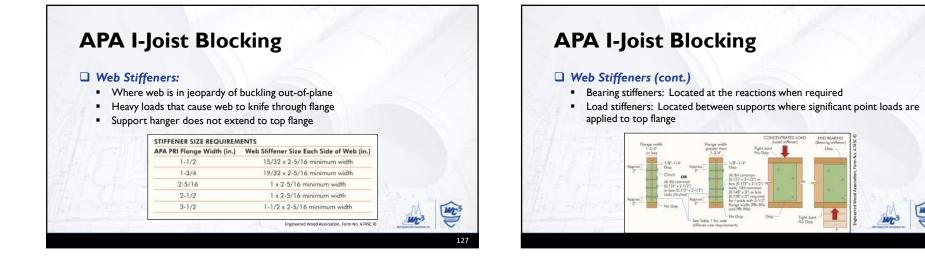




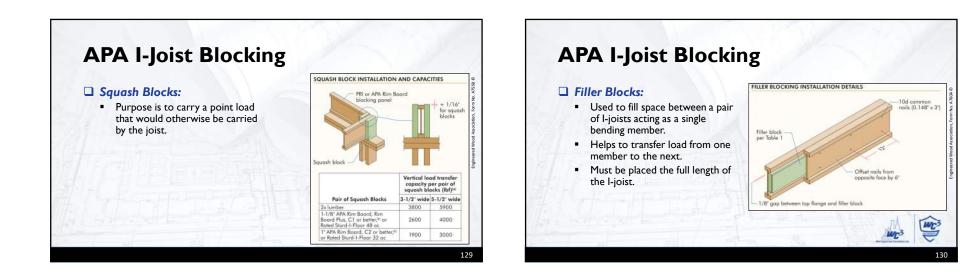


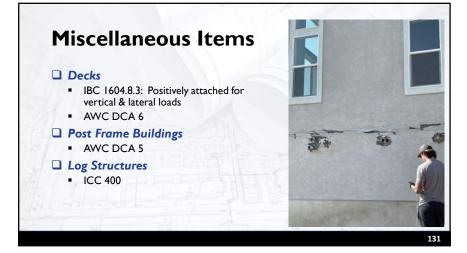


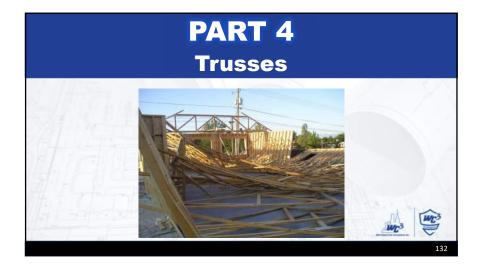


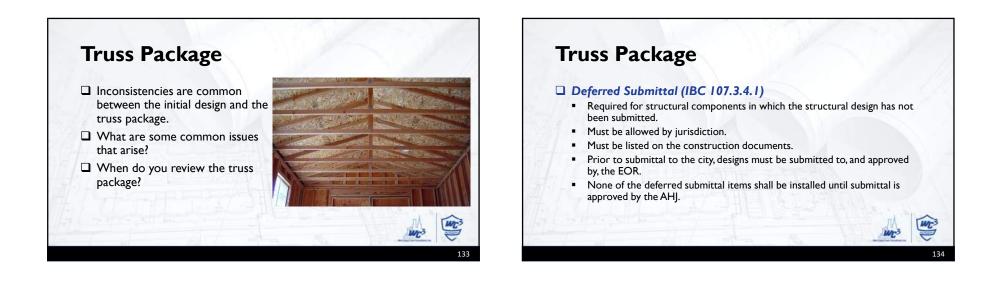


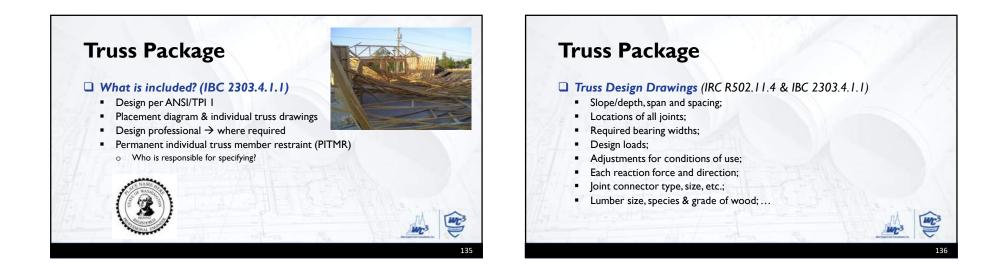
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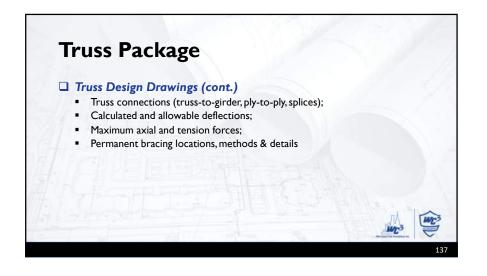


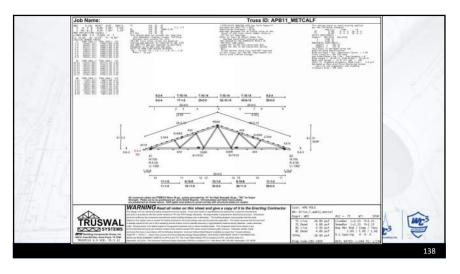


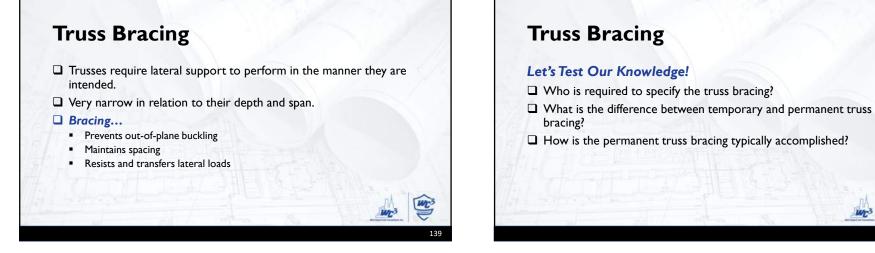




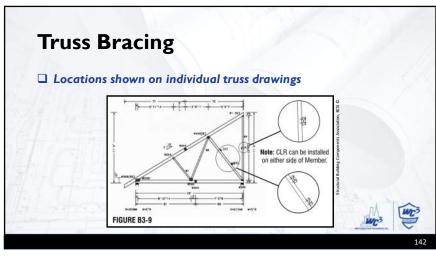


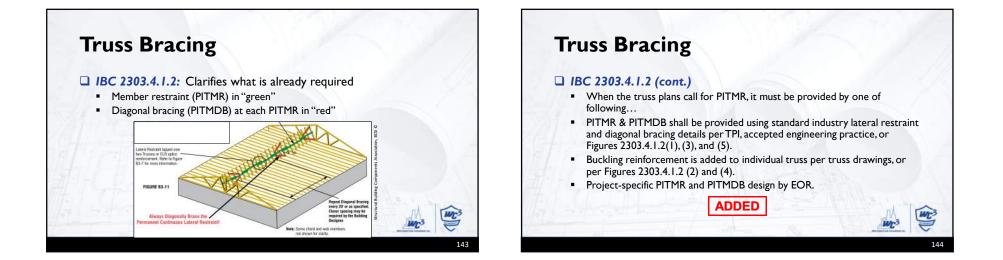








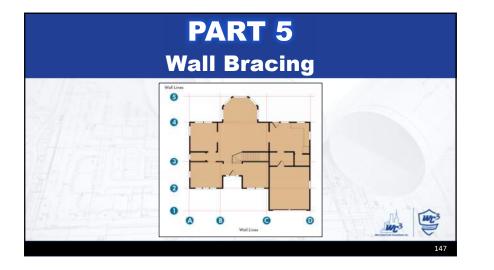


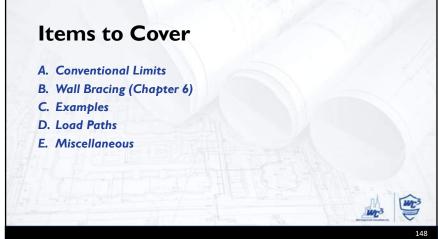


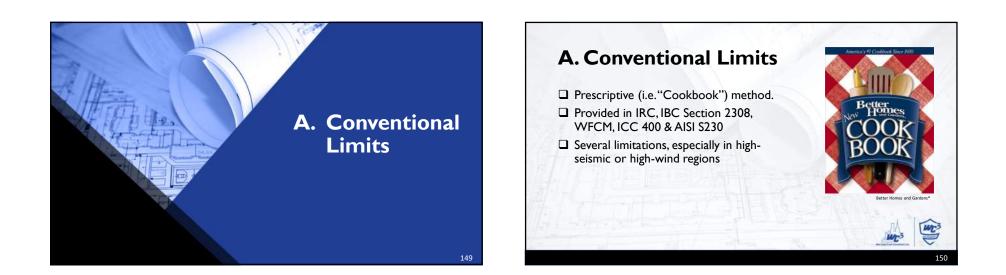
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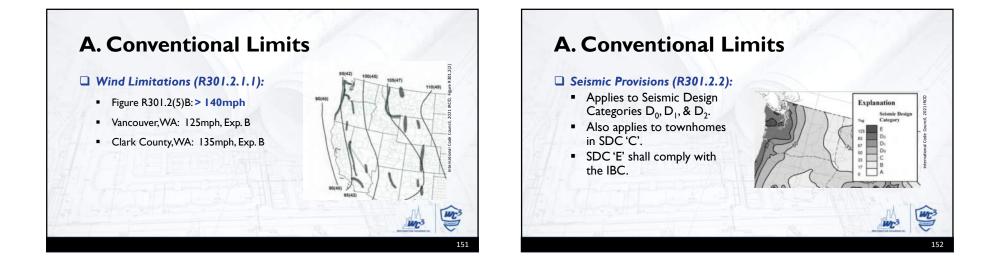
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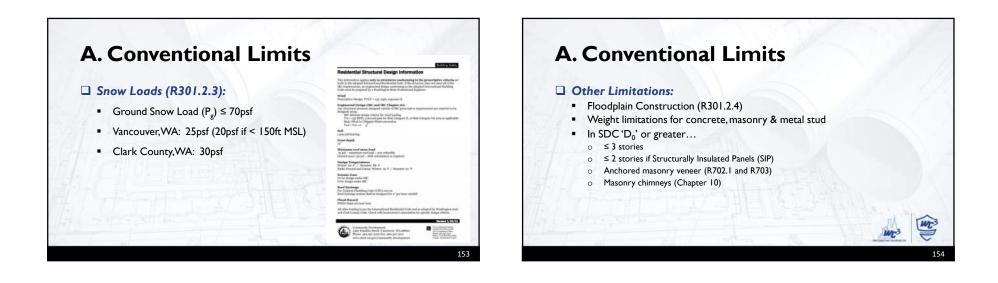


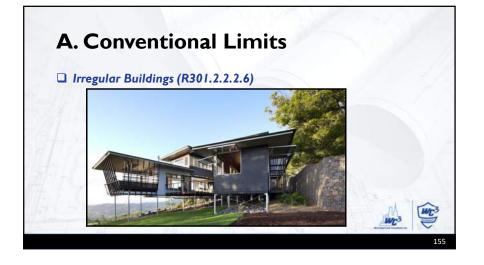


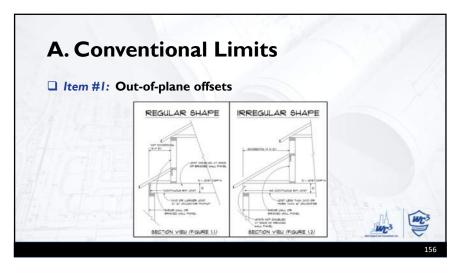


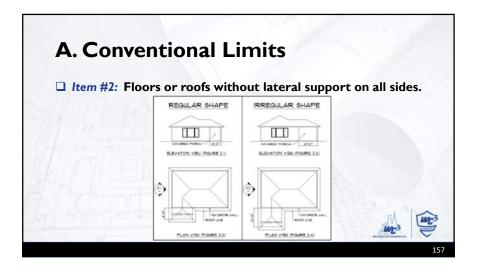


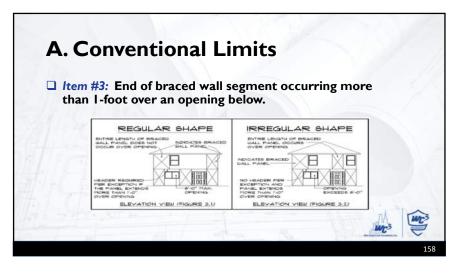


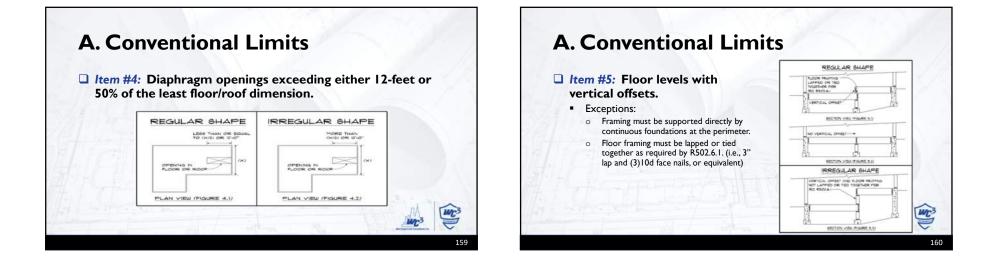


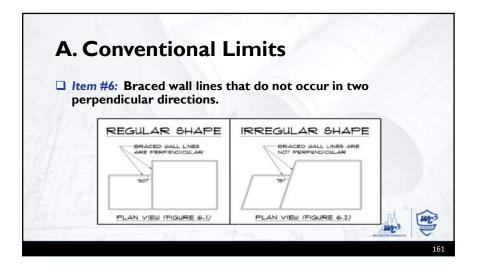


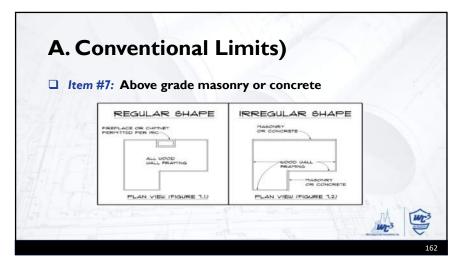


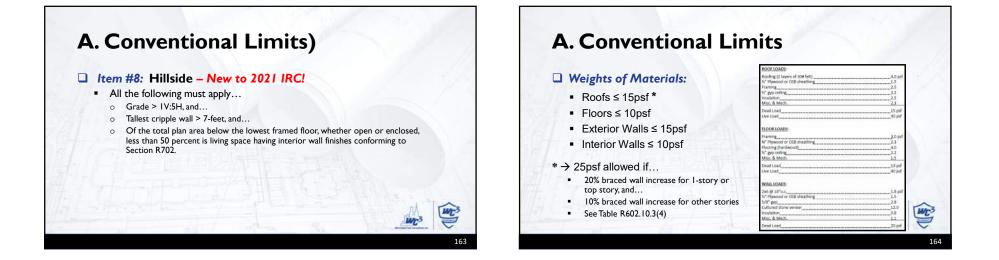


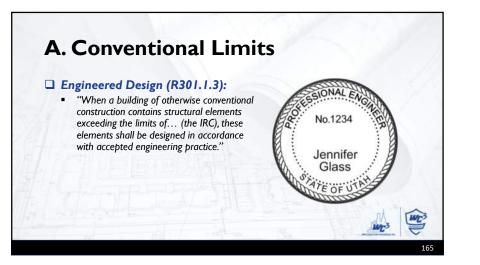


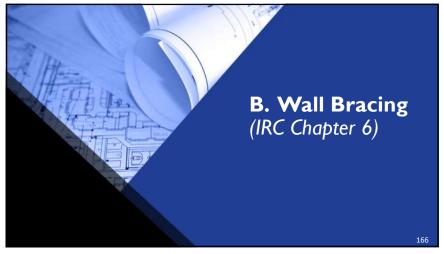


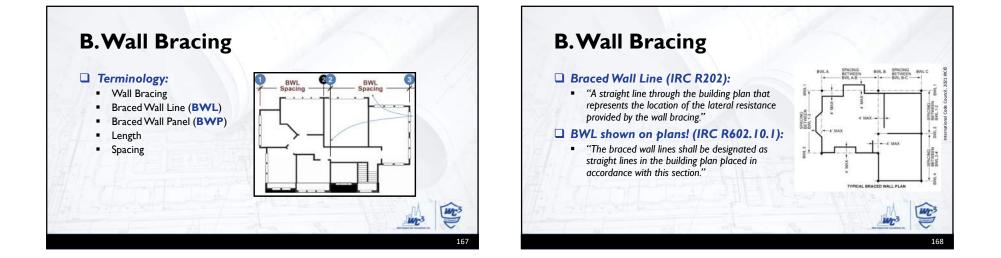


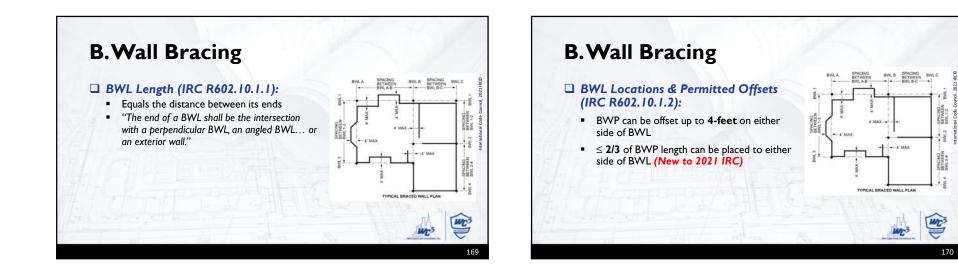


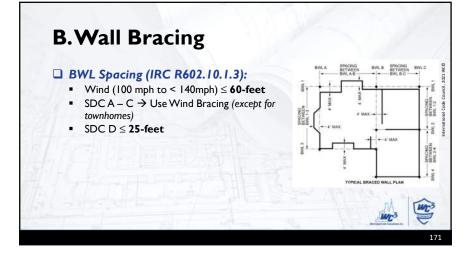


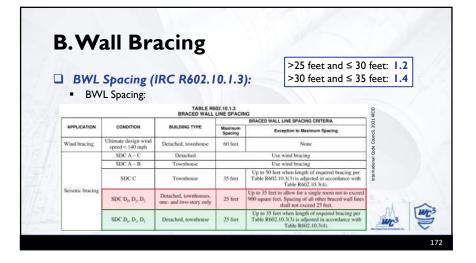




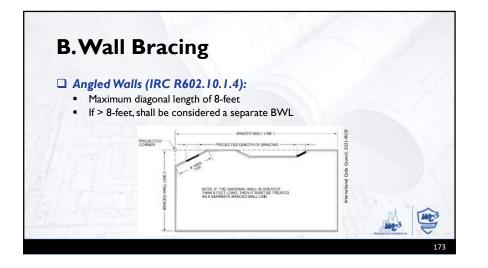


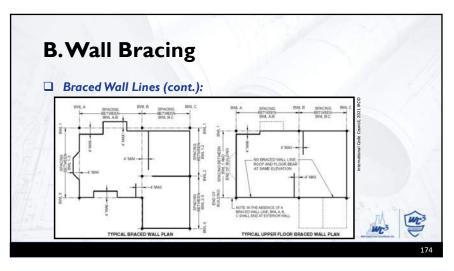


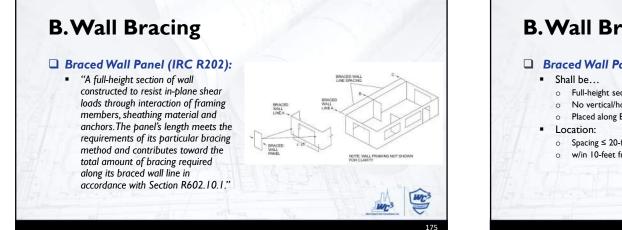


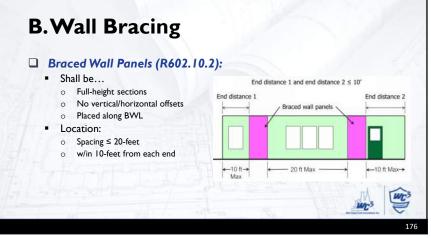


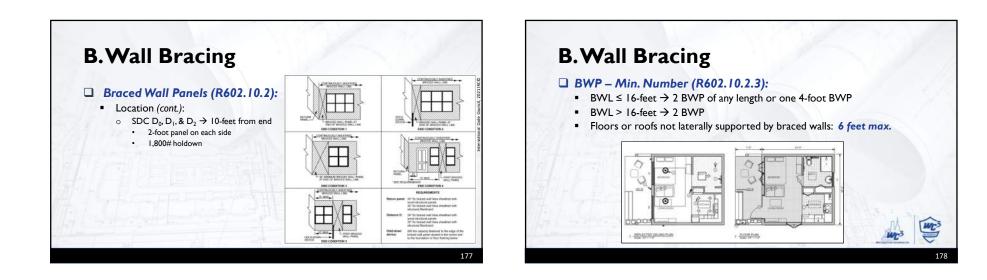
West Coast Code Consultants, Inc. ©

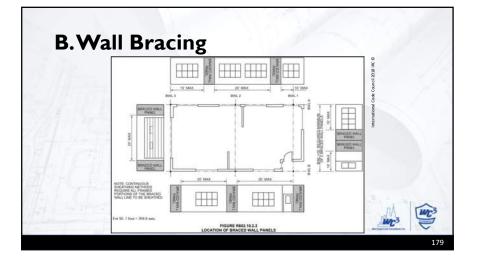


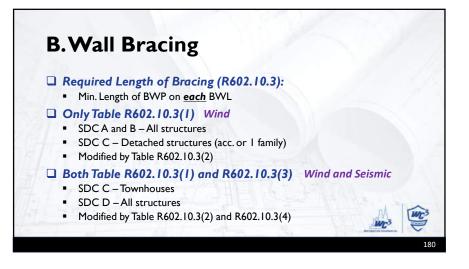






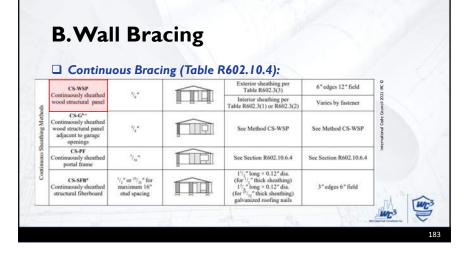


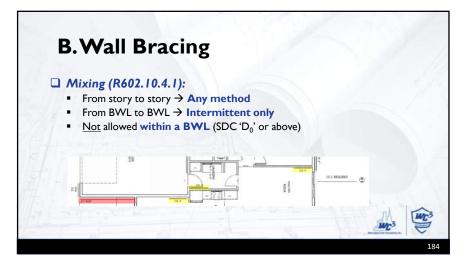


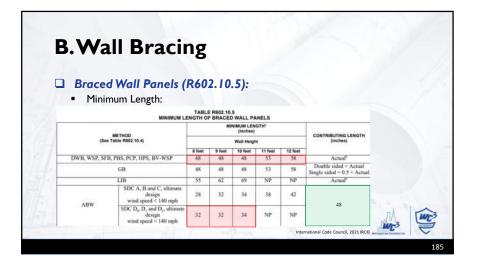


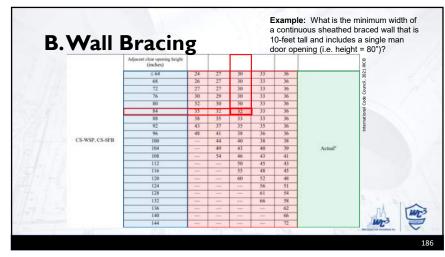


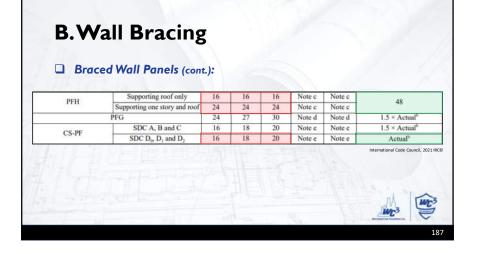
te	ermitten	t Bracing	g (Table R	602.10.4):	
			TABLE R602.1 BRACING METH		
M	THODS, MATERIAL	MINIMUM THICKNESS	FIGURE	CONNECTION CRITI	1
	LIB	1 × 4 wood or approved metal straps at 45° to 60° angles for maximum 16° stud spacing		Fasteners Wood: 2-8d common nails or 3-8d (2 <sup>1</sup> /, " long x 0.113" dia.) nails	Spacing Wood: per stud and top and bottom plates
	Let-in-bracing			Metal strap: per manufacturer	Metal: per manufacturer
	bwn Diagonal wood boards	V4" (1" nominal) for maximum 24" stud spacing		$2-8d (2^{1/}_{j}^{*} \log \approx 0.113^{*} dia.)$ mails or $2 - 1^{1/}_{a}^{*} \log staples$	Per stud
	WSP Wood structural panel (See Section R604)	44		Exterior shouthing per Table R602.3(3)	6* edges 12* field
				Interior sheathing per Table R602.3(1) or R602.3(2)	Varies by fastener
terhods	BV-WSP Wood structural panels with stone or masonry veneer (See Section R602.10.6.5)	7 <sub>4</sub> -	See Figure R602.10.6.5	8d common $(2^{1}\!/_{3}^{*} \times 0.131)$ nails	4" at panel odges 12" at intermediate supports 4" at braced wall panel end posts

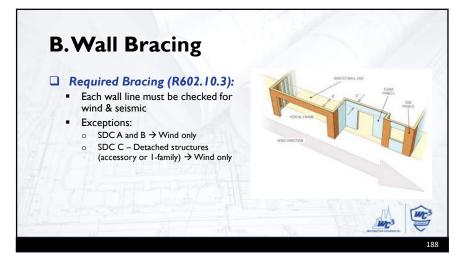


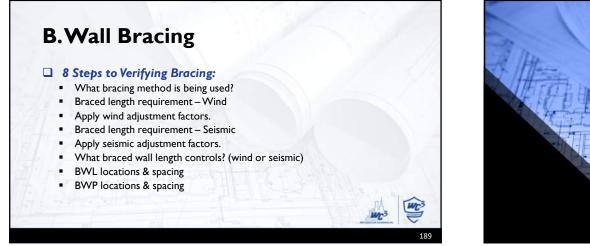


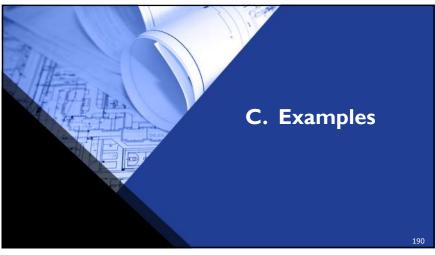


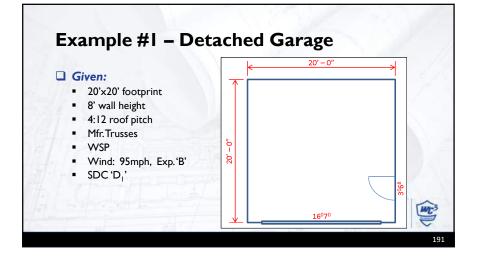


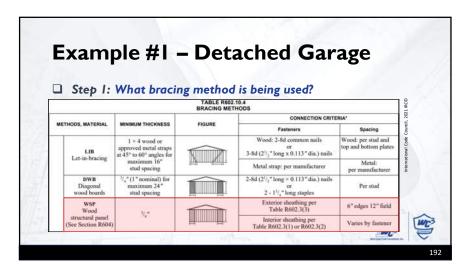


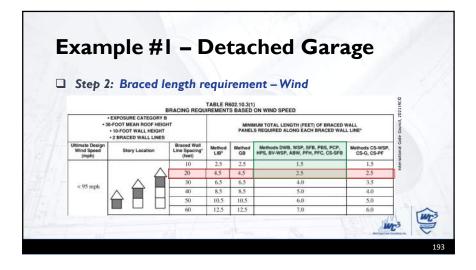


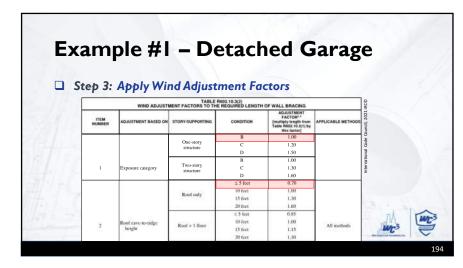


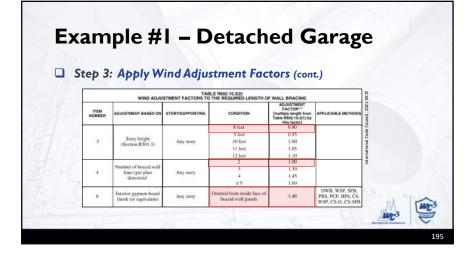


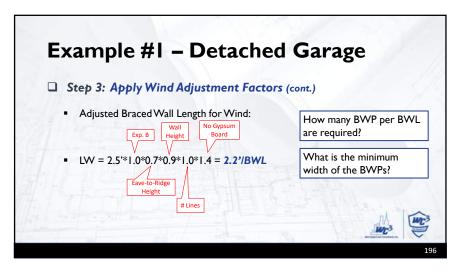




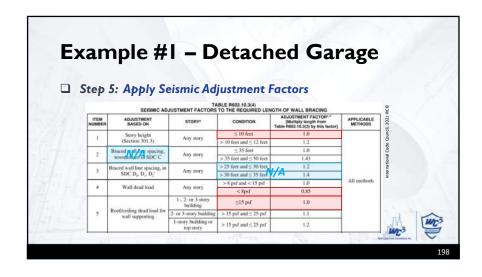


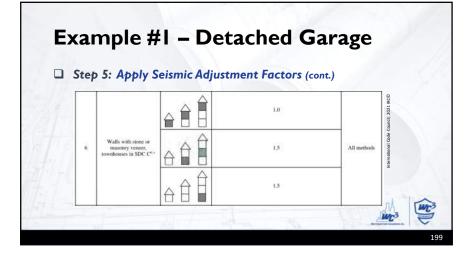


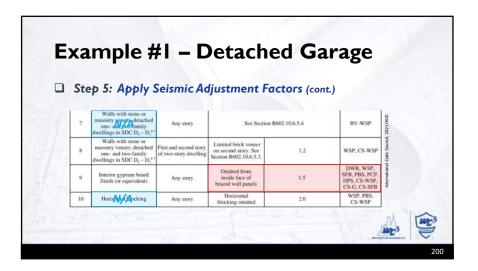


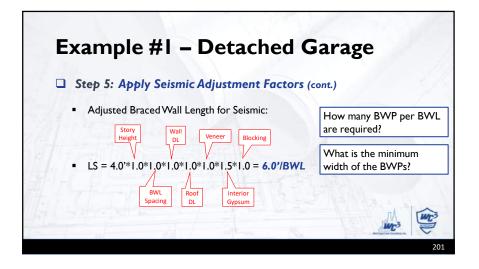


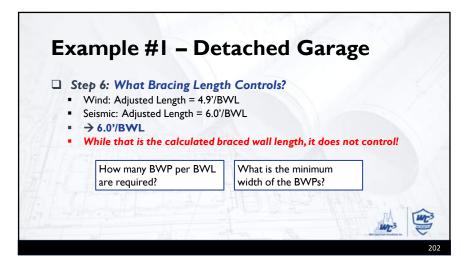
State A.	Braced len		\		Colomia		
Step 4.1		TABLE	R602.10.3(3	)-continue			
• 10 F • 15 PSF	ALL HEIGHT = 10 FEET PSF FLOOR DEAD LOAD ROOF/CEILING DEAD LO VALL LINE SPACING ≤ 2	DAD	MINIMUM TOTAL LENGTH (FEET) OF BRACED WALL PANELS REQUIRED ALONG EACH BRACED WALL LINE**				
Seismic Design Category <sup>a</sup>	Story Location	Braced Wall Line Length (feet)*	Method LIB*	Method GB	Methods DWB, SFB, PBS, PCP, HPS, CS-SFB*	Methods WSP, ABW', PFH' and PFG*.'	Methods CS-WSP, CS-C CS-PF
		10	NP	3.0	3.0	2.0	1.7
		20	NP	6.0	6.0	4.0	3.4
$\mathbf{D}_1$		30	NP	9.0	9.0	6.0	5.1
		40	NP	12.0	12.0	8.0	6.8
		50	NP	15.0	15.0	10.0	8.5

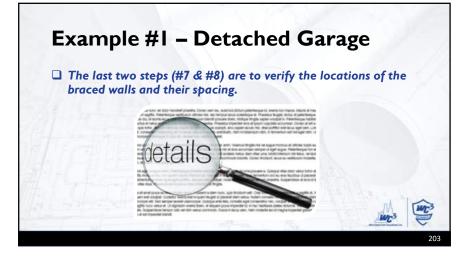


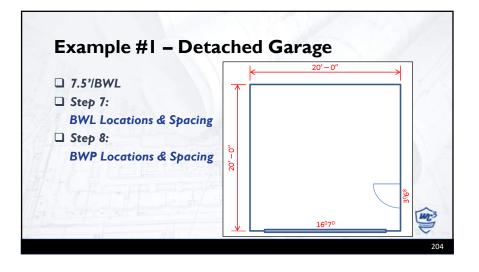


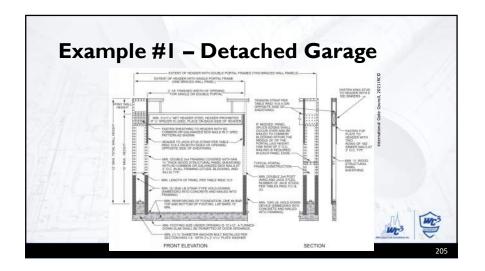


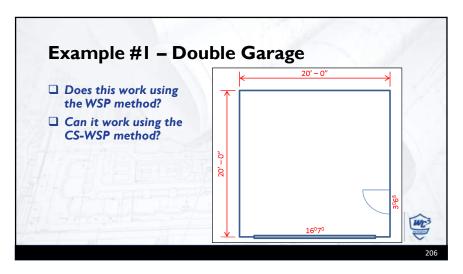


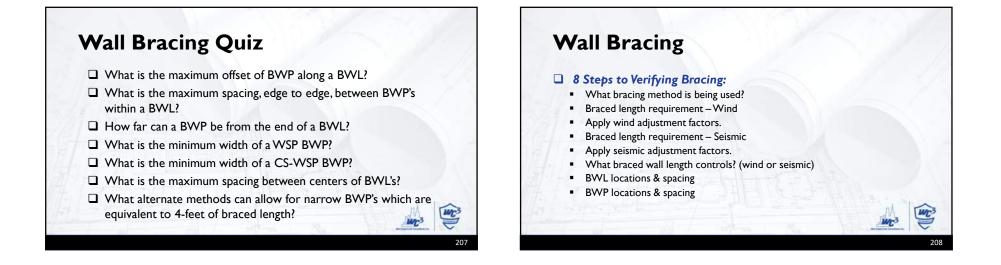


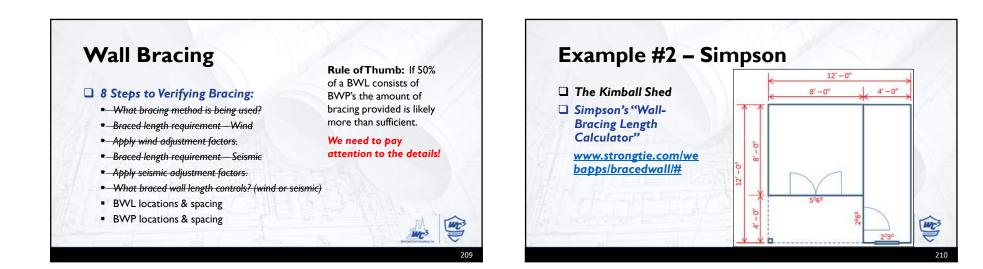




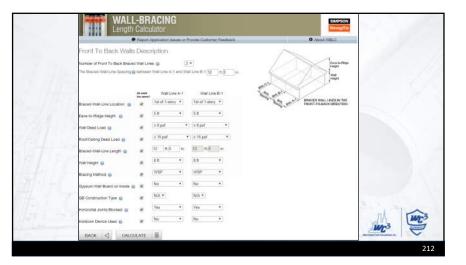












Length of Wall Bracing Required	3.83 ft	3.85 h	
RESULTS			14473
Required Seismic Bracing Amount	3.83 ft	3.83 ft	TA 140-3
Veneer Factor	1	1	
Roof Dead Load Factor	1	1	
Wall Dead Load Factor	0.85	0.85	
Seismic GB Construction Factor	1	1	
Gypsum on Inside Factor	1.5	1.5	
Blocked Joint Factor	1	1	
BWL Spacing Factor	1	1	
Seismic Wall Height Factor	1	1	
Tabulated Seismic Bracing Amount	3 ft	3 ft	
SEISMIC			
Required Wind Bracing Amount	2.03 ft	2.03 ft	
Wind GB Construction Factor	1	1	
Gypsum on Inside Factor	1.4	1.4	
Blocked Joint Factor	1	1	
Holdown Factor	1	1	
Number of BWI Factor	1	1	
Wind Wall Height Factor	0.9	0.9	
Exposite Height Factor	0.7	0.7	
Exposure Height Factor	2.5 1	2.5 1	
WIND Tabulated Wind Bracing Amount	2.3 ft	2.3 ft	

