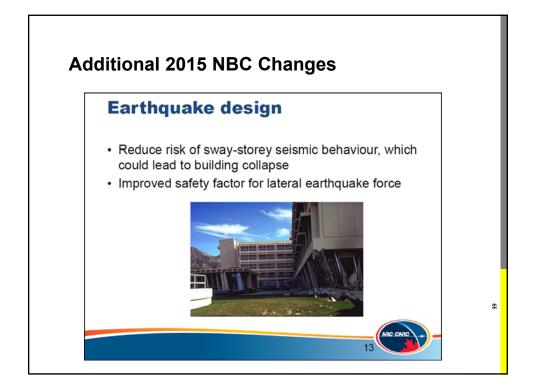


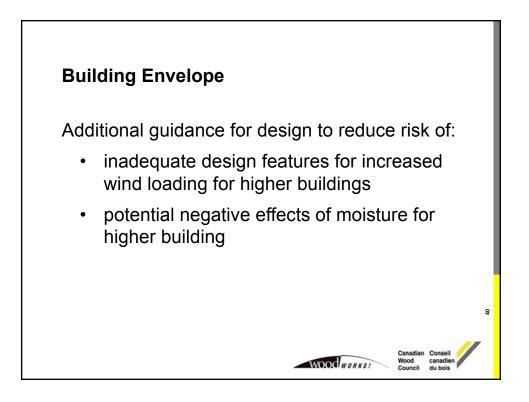
2015 National Fire Code Section 5.6. Construction and Demolition Sites

New Subsection 5.6.3.

- Fencing, boarding or barricades
- · Access control when site unattended
- Required water supply available when combustible material arrives on site
- Unobstructed clearance around hydrants
- Minimum clearance (3 m) maintained between exits and waste containers
- Smoking area requirements
- Minimum clearances between roofing kettles and exits, means of egress and exposed combustible materials
- Site identification
- Construction access stairway









2011 – 2014: RESEARCH CONSORTIUM FOR WOOD AND WOOD-HYBRID MID-RISE BUILDINGS

Canadian Conseil Wood canadie Council du bois

WOOD WORKS!

- National Research Council of Canada
- Canadian Wood Council
- FPInnovations
- Province of British Columbia
- Province of Ontario
- Province of Quebec

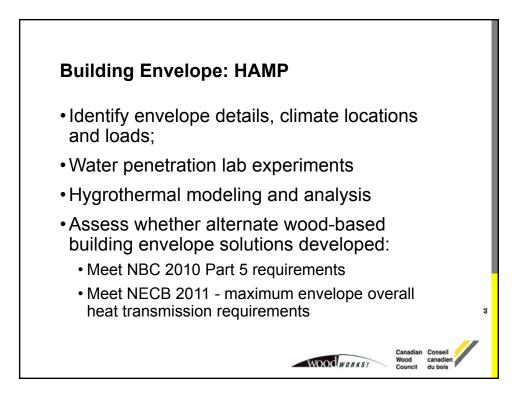
2011 – 2014: RESEARCH CONSORTIUM FOR WOOD AND WOOD-HYBRID MID-RISE BUILDINGS

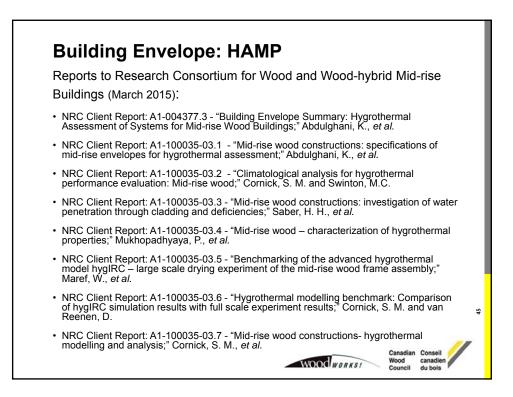
Three main areas:

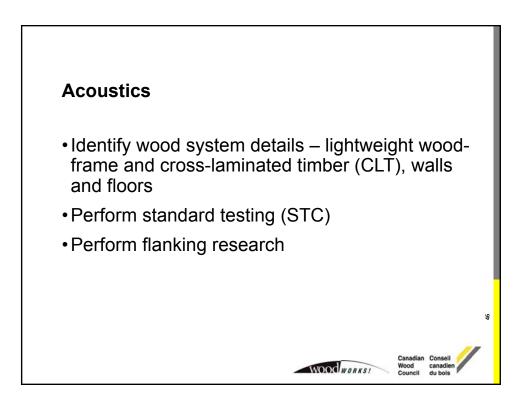
- Building Envelope: Control of Heat, Air, Moisture and Precipitation (HAMP)
- · Acoustics: STC Ratings, Sound Flanking
- Fire: Encapsulation, Fire Resistance and Exterior Walls

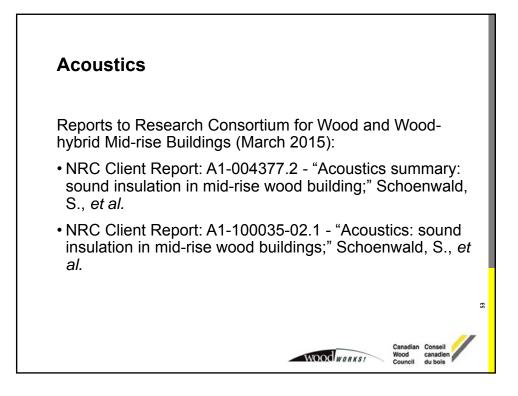
Canadian Conseil Wood canadie Council du bois

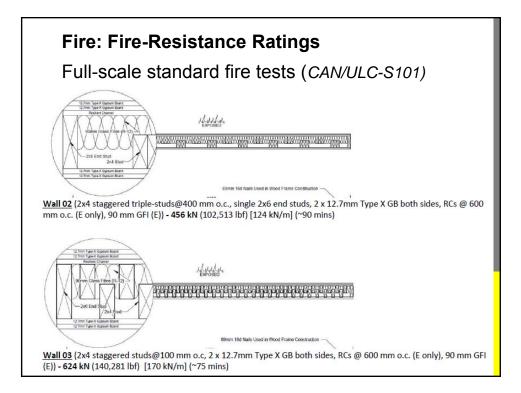
WOOD WORKS!

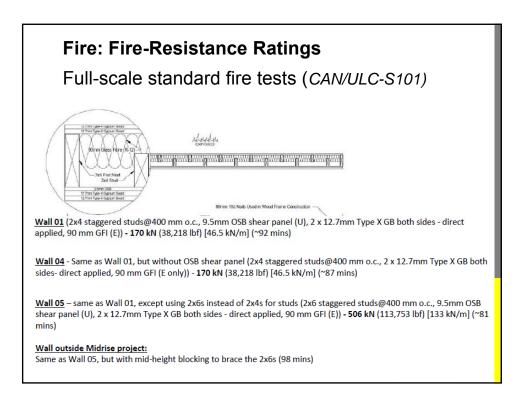


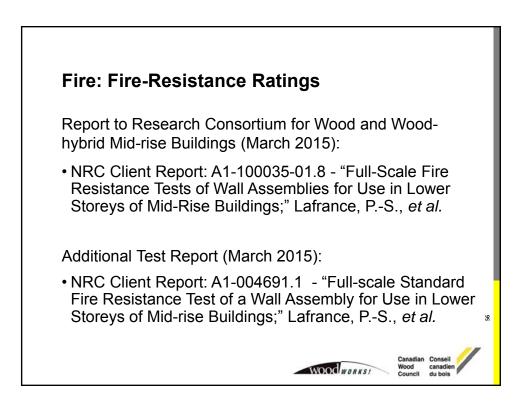


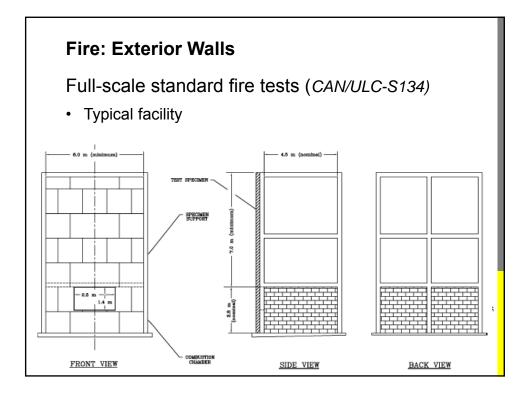


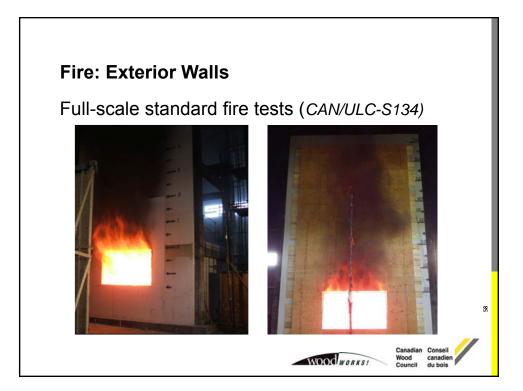


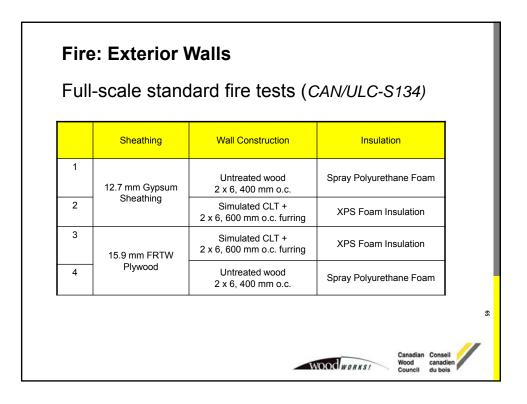


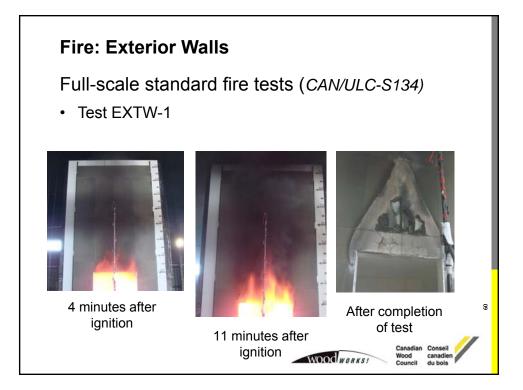


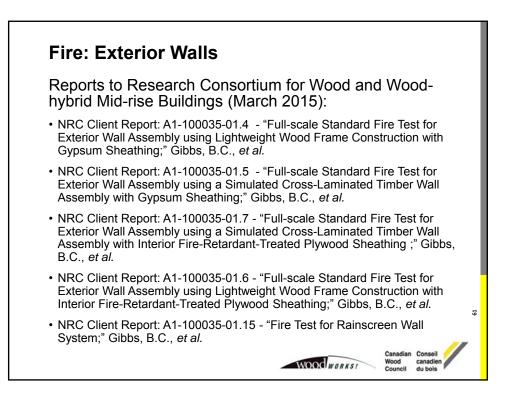


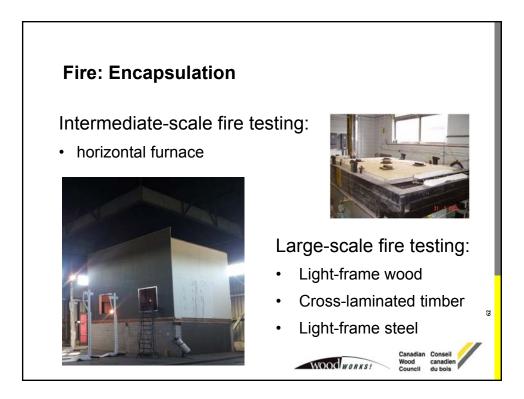


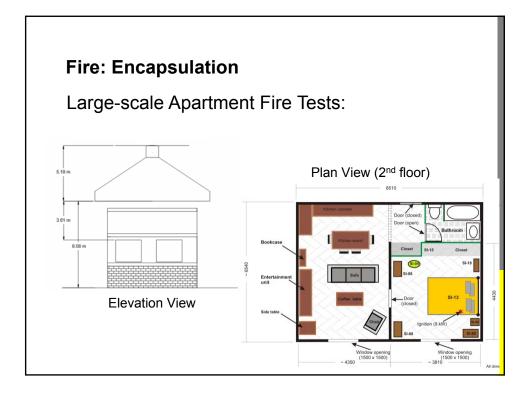








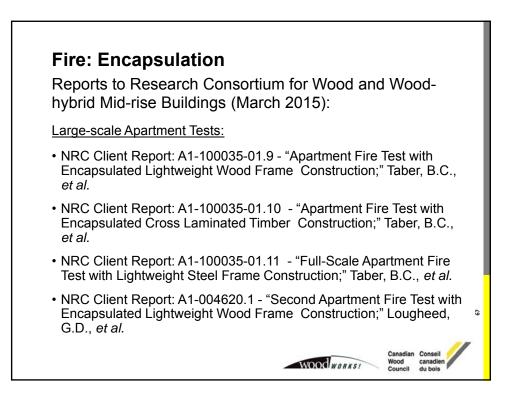


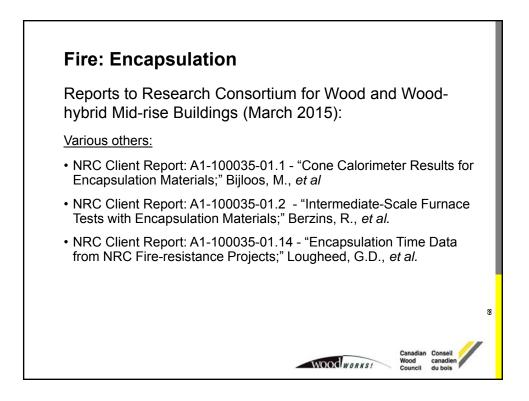


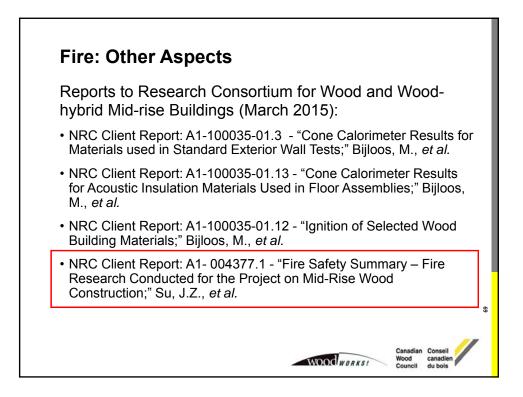


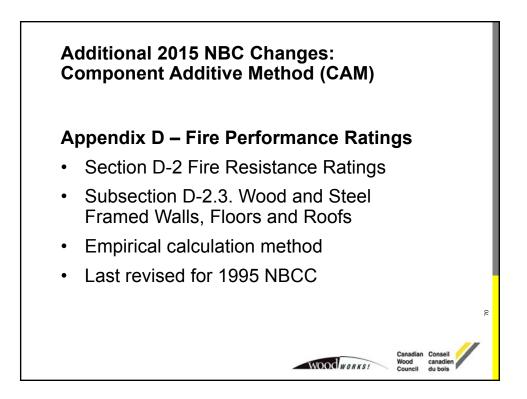


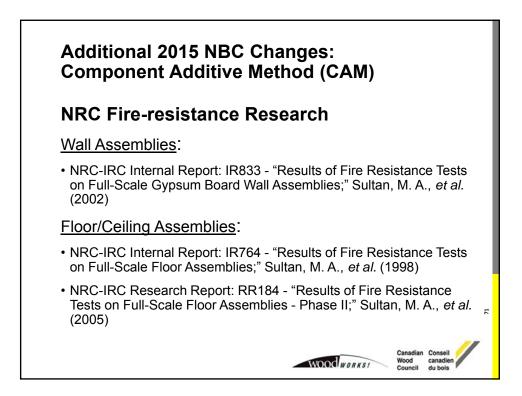


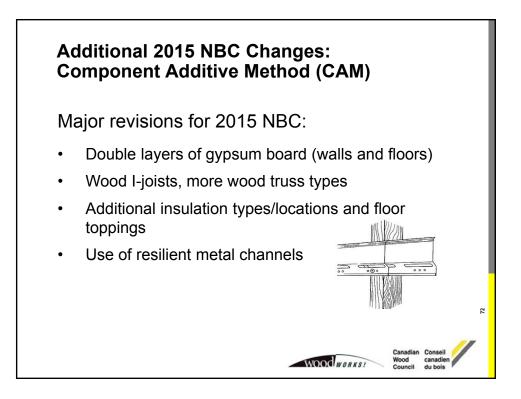












	•	ent Ac	ditiv	C Changes: e Method (CAM) 0-2.3.: Wood Wall Ass	embli	es
Membra	ine	Memb	Members Insulation			
Description	Assigned time (min)	Description	Assigned time (min)	Description	Assigned time (min)	Total FRR
One layer of 12.7 mm Type X				RFI (Loadbearing & Nonloadbearing)	15	60
	Type X 25	Wood Studs @ 400 mm o.c.	20	GFI (Nonloadbearing Only)	5	50
				None (Loadbearing & Nonloadbearing) & GFI (Loadbearing)	0	45
		Wood Studs @ 600 mm o.c.	15	RFI (Loadbearing & Nonloadbearing)	15	55
Gypsum Board				GFI (Nonloadbearing Only)	5	45
				None (Loadbearing & Nonloadbearing) & GFI (Loadbearing)	0	40
				RFI (Loadbearing & Nonloadbearing)	15	75
		Wood Studs		GFI (Nonloadbearing Only)	5	65
One layer of	40	@ 400 mm o.c.	20	None (Loadbearing & Nonloadbearing) & GFI (Loadbearing)	0	60
5.9 mm Type X Gypsum Board	40	Wood Studs		RFI (Loadbearing & Nonloadbearing)	15	70
Sypsum Boald			15	GFI (Nonloadbearing Only)	5	60
		@ 600 mm o.c.	15	None (Loadbearing & Nonloadbearing) & GFI (Loadbearing)	0	55

Co 2018	mpo 5 NB	nent / C App	Addit endix	IBC Changes: tive Method (CAN c D-2.3.: Wood Wa	,		ies	
Membrane Assigned Description time (min)		Members		Insulation	Annianad	Resilient Metal	Total	
		Description	Assigned time (min)	Description	Assigned time (min)	Channels (min)	FRR	
			Weed Oteda		RFI - rock or slag (Loadbearing & Nonloadbearing)	15	-10	50
One laws of		Wood Studs @ 400 mm o.c. Wood Studs	20	CFI – dry-blown (Loadbearing Only)	10	-10	45	
				GFI (Nonloadbearing Only)	5	-10	40	
One layer of 12.7 mm Type	25			None (Loadbearing & Nonloadbearing) & GFI (Loadbearing)	0	-10	35	
X Gypsum Board			-	RFI (Loadbearing & Nonloadbearing)	15	-10	45	
board				CFI – dry-blown (Loadbearing Only)	10	-10	40	
		@ 600 mm		GFI (Nonloadbearing Only)	5	-10	35	
		0.C.		None (Loadbearing & Nonloadbearing) & GFI (Loadbearing)	0	-10	30	
				RFI (Loadbearing & Nonloadbearing)	15	-10	65	
		Wood Studs		CFI – dry-blown (Loadbearing Only)	10	-10	60	
		@ 400 mm	20	GFI (Nonloadbearing Only)	5	-10	55	
One layer of 15.9 mm Type	10	0.C.		None (Loadbearing & Nonloadbearing) & GFI (Loadbearing)	0	-10	50	
X Gypsum	40			RFI (Loadbearing & Nonloadbearing)	15	-10	60	
Board		Wood Studs		CFI – dry-blown (Loadbearing Only)	10	-10	55	
		@ 600 mm	15	GFI (Nonloadbearing Only)	5	-10	50	
		0.C.		None (Loadbearing & Nonloadbearing) & GFI (Loadbearing)	0	-10	45	

				.3.: Wood Wa		olles
Membran Description	e Assigned time (min)			Insulation Description	Assigned time (min)	Total FRR*
		Waad Chuda @		RFI	15	85
Loadbearing 2 layers of 12.7 mm Type X	50	Wood Studs @ 400 mm o.c.	20	CFI – dry-blown	10	80
		400 mm 0.0.		None & GFI	0	70
		Wood Studs @ 600 mm o.c.	15	RFI	15	80
Gypsum Board				CFI – dry-blown	10	75
		0.00	20	None & GFI	0	65
		Wood Studs @ 400 mm o.c.		RFI	15	115
Non-loadbearing				GFI	5	105
2 layers of	80			None	0	100
12.7 mm Type X		Wood Studs @	15	RFI	15	110
Gypsum Board		600 mm o.c.		GFI	5	100
		0.00		None	0	95

		ndix D-2.3.: Wood	Floor A	ssem	blies
Membrane Assigned Description time (min)		Description	Assigned time (min)	Total FRR*	
1 layer of 12.7 mm	25	Wood Joists @ 400 mm o.c. maximum	10	35	
Type X Gypsum Board		Wood Trusses @ 600 mm o.c. maximum	5	30	
1 layer of 15.9 mm		Wood Joists @ 400 mm o.c. maximum	10	50	
Type X 40 Gypsum Board	Wood Trusses @ 600 mm o.c. maximum	5	45		

Additional 2015 NBC Changes: Component Additive Method (CAM) 2015 NBC Appendix D-2.3.: Wood Floor Assemblies										
Description	Resilient	Assigned time (min)	Membe Description	rs Assigned time (min)	Insulat Description	tion Assigned time (min)	Topping Description	Assigned time (min)	Total FRR	
1 layers of 12.7 mm	12.7 mm Type X Gypsum Spaced ≤ 400 mm o.c.	25	Wood Joists, Trusses, I-joists @ 600 mm o.c. maximum	10	RFI or CFI (wet- sprayed)	5	None or Gypsum- concrete	0	40 45	
Type X Gypsum Board					None or GFI	0	None or Gypsum- concrete	0	35	
1 layer of			Wood Joists, Trusses, I-joists @ 600 mm o.c. maximum		RFI or	5	Concrete None or Gypsum- concrete	5 0	40 55	
15 0 mm	Created < 100			10	CFI (wet- sprayed)	5	Concrete	5	60	
Type X Gypsum	Spaced ≤ 400 mm o.c.	40			None or GFI	0	None or Gypsum- concrete	0	50	
Board							Concrete	5	55	
					T	voodwor	Canadian Wood Council	Conseil canadien du bois	μ	

Additional 2015 NBC Changes: Component Additive Method (CAM) 2015 NBC Appendix D-2.3.: Wood Floor Assemblies									
	Membrane		Members		Insula	tion	Topping		
Description	Resilient Metal Channels	Assigned time (min)	Description	Assigned time (min)	Description	Assigned time (min)	Description	Assigned time (min)	Total FRR
2 layers of 12.7 mm	Spaced ≤ 400 mm o.c.		Wood Joists, Trusses,		RFI or CFI (wet-	5	None or Gypsum- concrete Concrete	0	65 70
Type X Gypsum Board	(or direct applied to members ≤		I-joists @ 600 mm o.c. maximum	10	sprayed) None or GFI	0	None or Gypsum- concrete	0	60
Buaru	400 mm o.c.)		maximum				Concrete	5	65
2 layers of 12.7 mm	Spaced ≤ 600	600	Wood Joists, Trusses.	10	RFI or CFI (wet-	5	None or Gypsum- concrete	0	60
Type X	mm o.c.	45	I-joists @ 600		sprayed)		Concrete	5	65
Gypsum Board	(or direct applied)		mm o.c. maximum		None or GFI	0	None or Gypsum- concrete	0	55
Dourd							Concrete	5	60
2 layer of	Spaced ≤ 600		Wood Joists, Trusses,		RFI or CFI (wet-	5	None or Gypsum- concrete	0	75
15.9 mm			I-joists @ 600		sprayed)		Concrete	5	80
Type X (or direct	or direct	mm o.c. maximum	10			None or Gypsum- concrete	0	70	
Gypsum Board	applied)		maximum		None or GFI	0	001101010		

