BUSINESS AS USUAL - DETAIL SET

J-values of buildin	g asse	mblies		Passive House w	ith PHPP V	reision 10.6 E
Climate: PHPP-Standard / TFA: 0 m² / C	_					
			Show sp	ecial cases and secondary ca	lculations	on the right
Description of building assembly					Assembly r	
Business As Usual - Wall					0	1ud
Orientation of building assembly (or R _s	2-Wall			Interior	insulation?	
Adjacent to (or R _{se}		-	U-value supplement [W/(m²K)]			
Area section 1	λ [W/(mK)]	Area section 2 (optional)	λ [W/(mK)	Area section 3 (optional)	λ [W/(mK)]	Thickness [mn
1/2" Drywall	0.180					13
5-1/2" Fibreglass batt insulation	0.054	2x6 framing @ 24" o.c.	0.130			140
1/2" OSB sheathing	0.130					13
Percentage of sec. 1	: 94%	Percentage of sec. 2:	6.3%	Percentage of sec. 3:		
Exterior R _{se}	0.13	m²K/W m²K/W		U-value [V	V/(m²K)]:	0.365
Exterior R _{st}		-		U-value [V	V/(m²K)]:	0.365
		-		U-value [V	N/(m²K)]:	
		-		U-value [V	Assembly r	
Description of building assembly Business As Usual - Foundation	0.04	-			Assembly r	10.
Description of building assembly Business As Usual - Foundation Orientation of building assembly (or R _s	0.04 0.04	-		Interior	Assembly r 0	no. 12ud
Description of building assembly Business As Usual - Foundation Orientation of building assembly (or R _s Adjacent to (or R _{se}	0.04 0.04 2-Wall 2-Ground	m²K/W		Interior U-value supplemer	Assembly r 0 insulation?	no. 12ud
Description of building assembly Business As Usual - Foundation Orientation of building assembly (or R _s Adjacent to (or R _{se} Area section 1	0.04 0.04 0.04 0.04 0.04 2-Wall 2-Ground λ [W/(mK)]	-	λ [W/(mK)	Interior	Assembly r 0 insulation?	no. 12ud
Description of building assembly Business As Usual - Foundation Orientation of building assembly (or R _s Adjacent to (or R _{se} Area section 1 1/2" Drywall	0.04 0.04 2-Wall 2-Ground λ [W/(mK)] 0.180	Area section 2 (optional)		Interior U-value supplemer	Assembly r 0 insulation?	Thickness [mn
Description of building assembly Business As Usual - Foundation Orientation of building assembly (or R _s Adjacent to (or R _{se} Area section 1 1/2" Drywall 5-1/2" Fibreglass batt insulation	0.04 2-Wall 2-Ground λ [W/(mK)] 0.180 0.054	m²K/W	λ [W/(mK)] 0.130	Interior U-value supplemer	Assembly r 0 insulation?	10. 12ud Thickness [mn 13 140
Description of building assembly Business As Usual - Foundation Orientation of building assembly (or R _s Adjacent to (or R _{se} Area section 1 1/2" Drywall 5-1/2" Fibreglass batt insulation 1/2" Air gap	0.04 2-Wall 2-Ground λ [W/(mK)] 0.180 0.054 0.079	Area section 2 (optional)		Interior U-value supplemer	Assembly r 0 insulation?	Thickness [mn 13 140 13
Description of building assembly Business As Usual - Foundation Orientation of building assembly (or R _s Adjacent to (or R _{se} Area section 1 1/2" Drywall 5-1/2" Fibreglass batt insulation	0.04 2-Wall 2-Ground λ [W/(mK)] 0.180 0.054	Area section 2 (optional)		Interior U-value supplemer	Assembly r 0 insulation?	10. 12ud Thickness [mn 13 140
Description of building assembly Business As Usual - Foundation Orientation of building assembly (or R _s Adjacent to (or R _{se} Area section 1 1/2" Drywall 5-1/2" Fibreglass batt insulation 1/2" Air gap	0.04 2-Wall 2-Ground λ [W/(mK)] 0.180 0.054 0.079	Area section 2 (optional)		Interior U-value supplemer	Assembly r 0 insulation?	Thickness [mn 13 140 13
Description of building assembly Business As Usual - Foundation Orientation of building assembly (or R _s Adjacent to (or R _{se} Area section 1 1/2" Drywall 5-1/2" Fibreglass batt insulation 1/2" Air gap	0.04 2-Wall 2-Ground λ [W/(mK)] 0.180 0.054 0.079	Area section 2 (optional)		Interior U-value supplemer	Assembly r 0 insulation?	Thickness [mn 13 140 13
Description of building assembly Business As Usual - Foundation Orientation of building assembly (or R _s Adjacent to (or R _{se} Area section 1 1/2" Drywall 5-1/2" Fibreglass batt insulation 1/2" Air gap	0.04 2-Wall 2-Ground λ [W/(mK)] 0.180 0.054 0.079	Area section 2 (optional)		Interior U-value supplemer	Assembly r 0 insulation?	Thickness [mn 13 140 13
Description of building assembly Business As Usual - Foundation Orientation of building assembly (or R _s Adjacent to (or R _{sc} Area section 1 1/2" Drywall 5-1/2" Fibreglass batt insulation 1/2" Air gap 8" Concrete foundation	0.04 2-Wall 2-Ground λ [W/(mK)] 0.180 0.054 0.079 2.300	Area section 2 (optional) 2x6 framing @ 24 o.c.	0.130	Interior U-value supplemer Area section 3 (optional)	Assembly r 0 insulation? at [W/(m²K)]	Thickness [mn 13 140 13
Description of building assembly Business As Usual - Foundation Orientation of building assembly (or R _s Adjacent to (or R _{se} Area section 1 1/2" Drywall 5-1/2" Fibreglass batt insulation 1/2" Air gap	0.04 2-Wall 2-Ground λ [W/(mK)] 0.180 0.054 0.079 2.300	Area section 2 (optional)		Interior U-value supplemer	Assembly r 0 insulation? at [W/(m²K)]	Thickness [mn 13 140 13
Description of building assembly Business As Usual - Foundation Orientation of building assembly (or R _s Adjacent to (or R _{se} Area section 1 1/2" Drywall 5-1/2" Fibreglass batt insulation 1/2" Air gap 8" Concrete foundation Percentage of sec. 1	0.04 2-Wall 2-Ground λ [W/(mK)] 0.180 0.054 0.079 2.300	Area section 2 (optional) 2x6 framing @ 24 o.c. Percentage of sec. 2:	0.130	Interior U-value supplement Area section 3 (optional) Percentage of sec. 3:	Assembly r 0 rinsulation? at [W/(m²K)]	Thickness [mn 13 140 13 203
Description of building assembly Business As Usual - Foundation Orientation of building assembly (or R _s Adjacent to (or R _{set} Area section 1 1/2" Drywall 5-1/2" Fibreglass batt insulation 1/2" Air gap 8" Concrete foundation Percentage of sec. 1 Heat transmission resist	0.04 2-Wall 2-Ground λ [W/(mK)] 0.180 0.054 0.079 2.300 1 94%	Area section 2 (optional) 2x6 framing @ 24 o.c. Percentage of sec. 2:	0.130	Interior U-value supplemer Area section 3 (optional)	Assembly r 0 rinsulation? at [W/(m²K)]	Thickness [mn 13 140 13
Description of building assembly Business As Usual - Foundation Orientation of building assembly (or R _s Adjacent to (or R _{se} Area section 1 1/2" Drywall 5-1/2" Fibreglass batt insulation 1/2" Air gap 8" Concrete foundation Percentage of sec. 1	0.04 2-Wall 2-Ground λ [W/(mK)] 0.180 0.054 0.079 2.300 3 94% cance coefficients 3 0.13	Area section 2 (optional) 2x6 framing @ 24 o.c. Percentage of sec. 2:	0.130	Interior U-value supplement Area section 3 (optional) Percentage of sec. 3:	Assembly r 0 r insulation? at [W/(m²K)] λ [W/(mK)]	Thickness [mn 13 140 13 203 36.9

Description of building assembly					Assembly r	10.
Business As Usual - Header					0	3ud
Orientation of building assembly (or R _{si}	2-Wall			Interio	r insulation?	
Adjacent to (or R _{se}		-	nt [W/(m²K)]			
Area section 1	λ [W/(mK)]	Area section 2 (optional)	λ [W/(mK)]	Area section 3 (optional)	λ [W/(mK)]	Thickness [n
1/2" Dywall	0.180					13
2-1/2" Fibreglass batt insulation	0.054					64
3" Wood header	0.130					76
1/2" OSB sheathing	0.130					13
Percentage of sec. 1	100%	Percentage of sec. 2:		Percentage of sec. 3:		
Interior R _{st} Exterior R _{se}		m²K/W m²K/W		U-value [\	N/(m²K)]:	0.473
Exterior R _{se}		-		U-value [\		
		-		U-value [\	Assembly r	no.
		-		U-value [\	Assembly r	
	0.04	-			Assembly r	no.
Exterior R _{se} Description of building assembly Business As Usual - Slab	0.04 0.04 3-Floor	-			Assembly r 0	no. 4ud
	0.04 0.04 3-Floor	-	λ [W/(mK)]	Interior	Assembly r 0	no. 4ud
Description of building assembly Business As Usual - Slab Orientation of building assembly (or R _{si} Adjacent to (or R _{se}	3-Floor 2-Ground	m²K/W	λ [W/(mK)]	Interior U-value supplemen	Assembly r 0	no. 4ud
Description of building assembly Business As Usual - Slab Orientation of building assembly (or R _{st} Adjacent to (or R _{se}	3-Floor 2-Ground λ [W/(mK)]	m²K/W	λ [W/(mK)]	Interior U-value supplemen	Assembly r 0	o. 4ud Thickness [n
Description of building assembly Business As Usual - Slab Orientation of building assembly (or R _{st} Adjacent to (or R _{se}	3-Floor 2-Ground λ [W/(mK)]	m²K/W	λ [W/(mK)]	Interior U-value supplemen	Assembly r 0	o. 4ud Thickness [n
Description of building assembly Business As Usual - Slab Orientation of building assembly (or R _{st} Adjacent to (or R _{se}	3-Floor 2-Ground λ [W/(mK)]	m²K/W	λ [W/(mK)]	Interior U-value supplemen	Assembly r 0	o. 4ud Thickness [n
Description of building assembly Business As Usual - Slab Orientation of building assembly (or R _{st} Adjacent to (or R _{se}	3-Floor 2-Ground λ [W/(mK)]	m²K/W	λ [W/(mK)]	Interior U-value supplemen	Assembly r 0	o. 4ud Thickness [n
Description of building assembly Business As Usual - Slab Orientation of building assembly (or R _{st} Adjacent to (or R _{se}	3-Floor 2-Ground λ [W/(mK)]	m²K/W	λ [W/(mK)]	Interior U-value supplemen	Assembly r 0	o. 4ud Thickness [n
Description of building assembly Business As Usual - Slab Orientation of building assembly (or R _{st} Adjacent to (or R _{se}	3-Floor 2-Ground λ [W/(mK)]	m²K/W	λ [W/(mK)]	Interior U-value supplemen	Assembly r 0	o. 4ud Thickness [n
Description of building assembly Business As Usual - Slab Orientation of building assembly (or R _{si} Adjacent to (or R _{se} Area section 1 4" Concrete slab	0.04 3-Floor 2-Ground λ [W/(mK)] 2.300	Area section 2 (optional)	λ [W/(mK)]	Interior U-value supplement Area section 3 (optional)	Assembly r 0 r insulation? nt [W/(m²K)]	o. 4ud Thickness [n
Description of building assembly Business As Usual - Slab Orientation of building assembly (or R _{st} Adjacent to (or R _{se}	0.04 3-Floor 2-Ground λ [W/(mK)] 2.300	m²K/W	λ [W/(mK)]	Interior U-value supplemen	Assembly r 0 r insulation? nt [W/(m²K)]	o. 4ud Thickness [n
Description of building assembly Business As Usual - Slab Orientation of building assembly (or R _{si} Adjacent to (or R _{se} Area section 1 4" Concrete slab	0.04 3-Floor 2-Ground λ [W/(mK)] 2.300	Area section 2 (optional) Percentage of sec. 2:	λ [W/(mK)]	Interior U-value supplement Area section 3 (optional) Percentage of sec. 3:	Assembly r 0 r insulation? nt [W/(m²K)] λ [W/(mK)]	Thickness [n
Description of building assembly Business As Usual - Slab Orientation of building assembly (or R _{si} Adjacent to (or R _{se} Area section 1 4" Concrete slab	3-Floor 2-Ground λ [W/(mK)] 2.300	Area section 2 (optional) Percentage of sec. 2:	λ [W/(mK)]	Interior U-value supplement Area section 3 (optional)	Assembly r 0 r insulation? nt [W/(m²K)] λ [W/(mK)]	o. 4ud Thickness [n

ASSEMBLY VALUES

	U - Value	R - Value	RSI
Wall Assembly	0.365	15.56	2.74
Foundation	0.350	16.22	2.857
Window Header	0.473	12.0	2.114
Slab	4.665	1.217	0.2144

NOTES:

IN FORM

ALBERTA

Project No.



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Notes

TONO GONSTRIICT

Project North



Business As Usual

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