Processing Checklist:		Waikato Bui	Iding Consents
Solar Installations			
Solar panels, water heating panels / cylinders.	Decitation of		Dec'l d'este
Processor Name:	Building Consent No:		Building Category:
KEYS: Decisions: P or Y or √ = Pass F or requirements of the NZBC NA or I = Not application because the item, or the clause, is a Reason for decision: Compliance requirements for not limited to): (1) Non compliances (2) The need to	cable, i.e. The item either not part of this or item have been m	or code clause has been consider s design or relevant to this type of tet. Comments: Add comments	ed but is not applicable to building project. as appropriate about (but
Refer to Acceptable Solutions B1 – H1 - as appropriate avai		· · ·	ent website.
P/F/NA Item	P/F/NA	Item	
B1 Structure Not applicable to this BC	_	`	Acceptable Solutions)
Wind Zone: □ Low □ Medium □ Uery High □ Extra High □ SED	」High	Solar collector has at least for connecting it to the building. I should be within 200 mm of the solar collector.	The outermost fixings
Plan showing: the location and size of solar collector; the size and spacing of the purlins	of the	Elevated collector frames: pu no. of fixings	rlin size / purlin span /
The total weight of the solar collector (including fittings and working fluid) d by supporting roof area < 22 kg/sq m.		The building should not be in exceeds 50 m/s unless specif provided	
Solar tanks may require specific design PS 1 required	gn –		
Reasons for decisions plus any additional comme. • Wind:	ments or RFIs:		
Structure:			
RFIs required:			
RFIs received:			
B2 Durability ☐ Not applicable to this BC		(Refer to B2	2 Acceptable Solutions)
For acceptable solutions, refer to Figure 1 Assessment of durability requii Table 1, pg17 - 22	ement Paragraph	1.2.2, pg16	
5 year durability considered 15 year durability considered 50 year durability considered		Elevation of solar panel above cleaning, or protection of roof accumulation.	
Specified intended life considered,		Material compatibility and corr	rosion zone (also E2)
life =years		Material selection (G12/AS2	or E2/AS1).
Reasons for decisions plus any additional comr • General:	ments or RFIs:		
RFIs required:			
RFIs received:			

















Under section 112, Building Act 2004, the following must be considered for any alteration C DOCS - Protection from Fire: (Refer to C documents Acceptable Solutions) ☐ Not applicable to this BC State Risk Group: [tick all that apply] C/VM1 Solid fuel heaters □ C/VM2 Framework for fire safety design ☐ C/AS1 (SH) Buildings with Sleeping (residential) and Outbuildings (Risk Group SH) Buildings other than Risk Group SH □ C/AS2 Verification Method C/VM1 ☐ Not applicable to this BC as no heater ☐ Solid fuel heater processing checklist attached Reasons for decisions plus any additional comments or RFIs: General: Additional: Solid fuel heater: Hearth/slab: Chimney flue: Generic materials: Heat transfer / Distances: RFIs required: RFIs received: **Acceptable Solutions** Part 1 General ☐ Not applicable to this BC Reasons for decisions plus any additional comments or RFIs: General: Additional: Fire protection system: RFIs Required: RFIs received: Part 2 Fire Cells, Fire Safety Systems, and Fire Resistance Ratings ☐ Not applicable to this BC Reasons for decisions plus any additional comments or RFIs: General: Additional: Distance to Boundary: <specify> RFIs required:



RFIs received:















Part	3 Means Of Escape ☐ Not applicable to this BC
Rea	sons for decisions plus any additional comments or RFIs:
•	General:
•	Additional: Escape path lengths (match protection system):
•	RFIs required:
•	RFIs received:
Part	4 Control Of Internal Fire & Smoke Spread
Rea	sons for decisions plus any additional comments or RFIs:
•	General:
•	RFIs required:
•	RFIs received:
Part	5 Control Of External Fire spread Not applicable to this BC
Rea	sons for decisions plus any additional comments or RFIs:
•	General:
•	RFIs required:
•	RFIs received:
Part	6 Firefighting ☐ Not applicable to this BC
Rea	sons for decisions plus any additional comments or RFIs:
•	General:
•	RFIs required:
•	RFIs received:
Part	7 Prevention Of Fire Occurring Not applicable to this BC
Rea	sons for decisions plus any additional comments or RFIs:
•	General:
•	RFIs required:
•	RFIs received:















E2 External Moisture □ Not applicable to this BC	(Refer E2 Acceptable Solutions)								
Are all fixings relevant for bracing & / or	Flash details:								
corrosion zone and whether collector direct fixed or elevated? (spacer: type / material,									
screw: gauge / length / type)	Roof / wall penetrations:								
Reasons for decisions plus any additional comments or	RFIs:								
General:									
RFIs required:									
• Ki is required.									
RFIs received:									
F2 Hazardous Building Material Not applicable t	to this BC (Refer F2 Acceptable Solutions)								
Protection from broken glass / brittle material:	placement & protection of solar collector								
Reasons for decisions plus any additional comments or	RFIs:								
General:									
DEIc required:									
RFIs required:									
RFIs received:									
	(5.4.5.4.1.50								
F5 Construction and Demolition Hazards ☑ Not apple Hazard identification and management	plicable to this BC (Refer F5 Acceptable Solutions)								
Reasons for decisions plus any additional comments o	r RFIs:								
General:									
DEIa respuise de									
RFIs required:									
RFIs received:									
(NOTE: F5 is always applicable. It may not be our re that it will be managed on site.)	sponsibility to manage F5 but there needs to be an indication								
that it will be managed on site.)									
G9 Electricity ☐ Not applicable to this BC	(Refer G9 Acceptable Solutions)								
Electrical energy certificate – needs to be supp									
Reasons for decisions plus any additional comments or	RFIs:								
General:									
Additional:									
RFIs required:	RFIs required:								
RFIs received:									
G12 Water Supplies Not applicable to this BC	(Refer G12 Acceptable Solutions)								
The pitch & installation of the collector is	Hot water heating design (all relevant valves,								
compliant with G12 / AS3500 (part 4)	venting requirements, water temperature)								
☐ Support rails	Relationship between solar collector area and hot								
☐ Collector frames (<i>G12/AS2</i>)	water storage verified: minimum of 50 liters of hot water storage per square meter of collector area								
☐ Fixing points	or meet the No-Load System Operation Test								
☐ Location on roof plane	described in Appendix F of AS/NZS 2712:2007.								















	Piping layout included on plan
Reasons for decisions plus any additional comments • General:	or RFIs:
RFIs required:	
RFIs received:	
H1 Energy Efficiency	· · · · · · · · · · · · · · · · · · ·
Collectors installed at the same angle as the pitch of the roof as long as the performance is 75% or more of the maximum achievable performance (<u>Solar Water Heaters</u> - Guidance for suppliers, installers and BCAs Table 9, pp32 (<i>MBIE</i> , 2009). Reasons for decisions plus any additional comments	storage vessels.
General:	5 61 141 16.
RFIs required:RFIs received:	
☑ All other clauses of the Building Code have b	een considered not applicable to this Building Consent.
Building Act 2004 and Other	(Refer to Building Act 2004)
S26(2) Warning or ban	S71 - 74 Natural hazards
S30A-H NMUA	S75 - 77 Building over 2 lots
S31 PIM	S87A Owner notification of LBPs doing RBW
S36 Development Contribution notice	S90 Inspections by BCA
S37 Restrict project start (no Resource Consent issued)	S90D Owner-Builder exemption – FORM2C
S39 Heritage New Zealand	S112 Alterations to existing buildings
S42: Building work already undertaken (with or without a BC) which may require a COA	S113 Intended life of building
S43(2) Energy work requiring a BC	S115 Change of use
S45 How to apply for a BC, Amendment minor variation	S116 Extension of Life
S67 - 70 Waiver or modification	S116A Subdivision of building / part of building
Project value provided and reasonable	
Reasons for decisions plus any additional comments	or RFIs:
• S26(2):	
• S30A-H:	
• S31:	















•	S36 - 37:
•	S39:
•	S42:
•	S43(2)
•	S45:
•	S67-70:
•	S71-74:
•	S75-77:
•	S87A
•	S90:
•	S90D:
•	S112:
•	S113:
•	S115:
•	S116:
•	S116A:
•	RFIs required:
•	RFIs received:
Res	stricted Building Work
	Certificate of Design Work (COW) received. (If NO, clock stopped and COW requested) Design LBP'S are named, (If NO, clock stopped and name(s) requested)
	Trade LBP's are named for all categories of RBW. (If NO, Inspection Alert activated)
Rea	sons for decisions plus any additional comments or RFIs:
•	General:
•	RFIs required:
•	RFIs received:

















STATEMENTS RECEIVED

Key for statement types: Electrical Plan (EP) Engineer / Designer (PS1, PS2) Truss Layout (TR) Fire Philosophy (FP)

Waterproofing (WP)	Other (O) Ispecify]
vvalcipiodinig (vvi)	Other (O) [Specing	[

			Decisions Regarding				Decision Regarding				_	Reason for Outcome of			
		Document Content						Author registration					decision decision		
			P=Pass F=Fail NA=Not Applicable					P=Pass F=Fail NA=Not Applicable					P = content adequate /	P = Accept document	
(If aut	hor's Name thor providing more one document, list assess each ment)	Statement type / Header	Site Address / Legal description	Insurance	Date	B. Code (parts)	Work identified	Name & signature	CPEng register	NZRAB register	EWRB register	PGD register	WBCG register	author approved / other reason recorded below F = content inadequate / author not approved / other recorded below	F = Reject document
046			22(2)	- // /-	- 4hi-		f "	- 41a a w	, -1-1-		4 4:		fau ai	dina managa fam	dociciono
Other reason(s) for decision(s): (Use this area for "other" statement types, or for giving reasons for decisions where a statement is not complete or an author is not registered, but you are accepting their statement)															
	COME OF DECISION														
	Documentation d Consent cannot be application is on h	oe gr					•					_			
	Name:					;	Signa	ture:						Date:	
Documentation demonstrates compliance with the Building Code and Building Act 2004. If there were any requests for further information, these have been addressed and the reasons for these have been recorded in each instance. Building Consent can now be granted and issued on payment of the appropriate fees and levies.															
	Name:						Signa	iture:						Date:	
	Documentation d Consent cannot b	oes	NOT	demo	onstra	ite co	mplia	ance	with t	he B	uildin	g Co	de an	nd Building Act 2	2004. Building
	Name:						Signa	ture:	_					Date:	
						_			-						















