

RECEIVED

Walerius' Residence Boat Canopy Repair:

JUN 12 2023

15034 Beach Drive NE, Lake Forest Park, WA 98155

City of Lake Forest Park

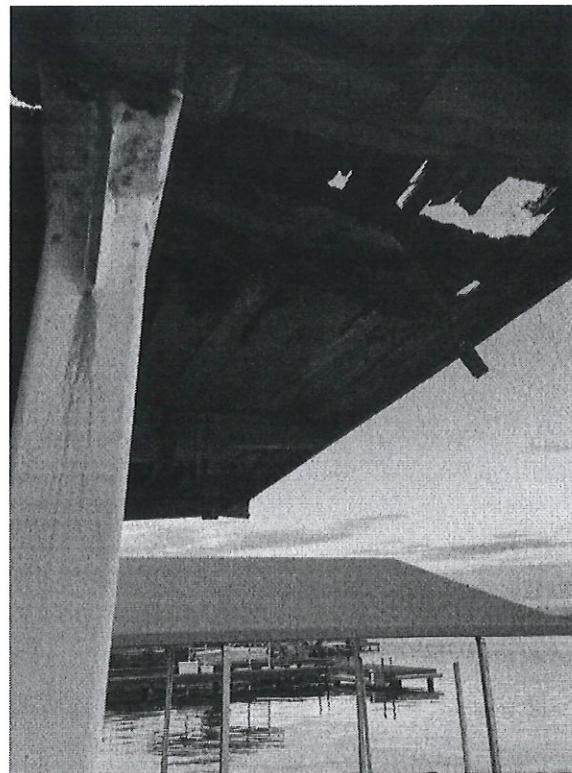
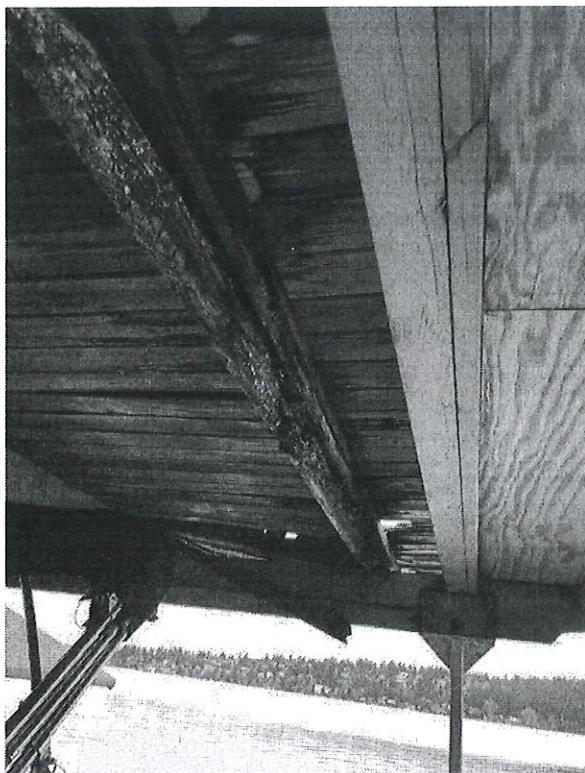
Revised submission June 9, 2023

REVISION

Scope: Repair existing boat canopy in accordance to attached submittal package from contractor and structural engineering.

No impact to views from this repair as existing canopy is being repaired.

Existing condition:

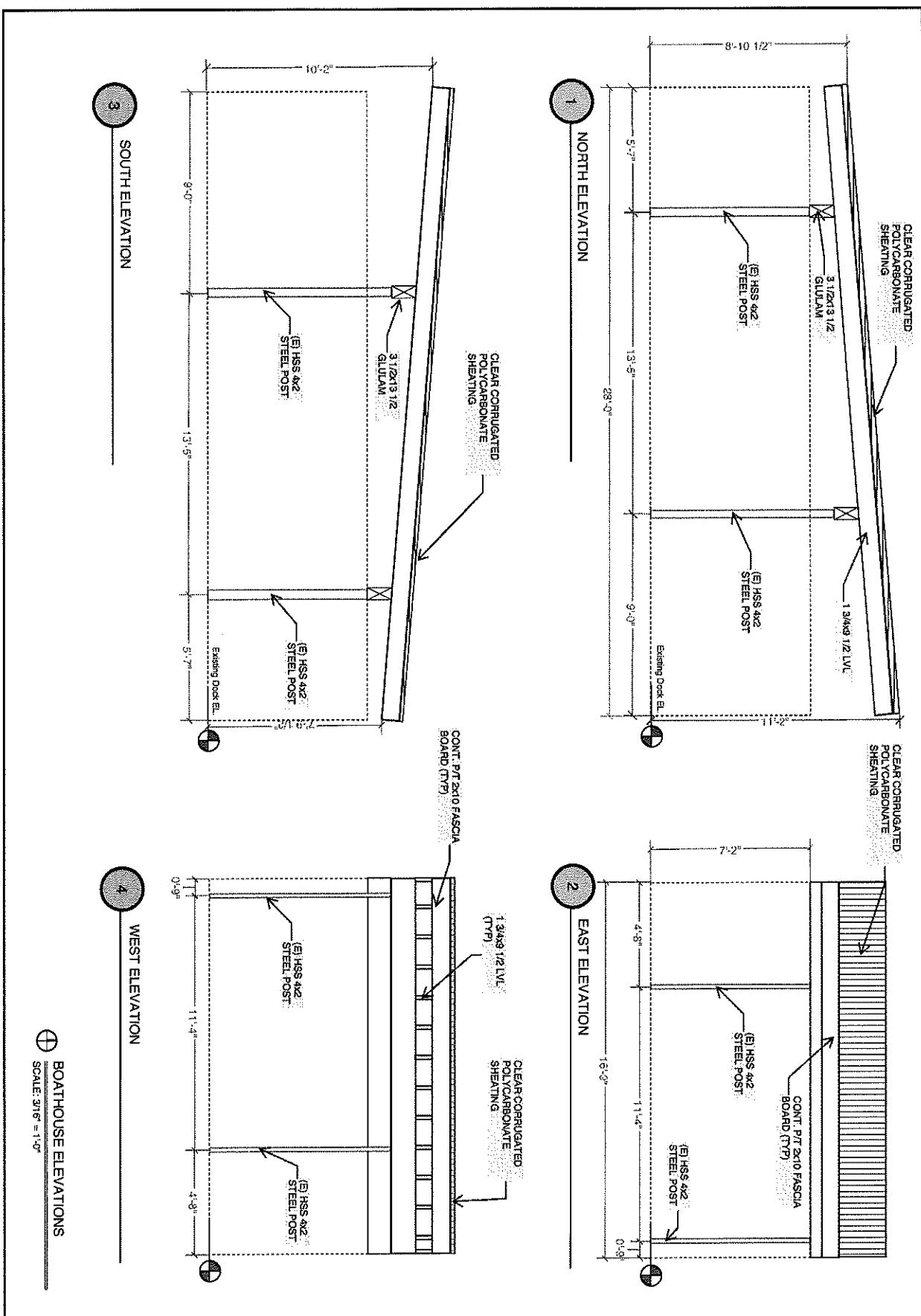


Respectfully:



Erik Walerius

15034 Beach Drive NE
Lake Forest Park, WA 98155
erikjohn@gmail.com
425-941-5268



PERMIT SUBMITTAL

06.09.23

TOE LINER CONSTRUCTION
21-340
Submitted by: M

WATERUS REMODEL -
BOATHOUSE
UNIVERSITY PARK, WASHINGTON 98503
SHEET TWO



SK-100

SHEET NAME

NO. OF PAGES

1

ELEVATION SKETCHES

SUNTUF™ POLYCARBONATE SHEETS

PURPOSE

PSP Limited supply SunTuf™ Polycarbonate sheets for use as roof or exterior cladding in buildings that are not habitable spaces.

The sheets are branded as

- SunTuf™ Clear, SunTuf™ Grey Tint and SunTuf™ Bronze Tint,
- SunTuf™ LightTech™, and
- SunTuf™ CoolTech™ Ice, SunTuf™ CoolTech™ Grey.

EXPLANATION

SunTuf™ sheets are 0.8 mm thick, lightweight, transparent or translucent and come with a gloss or satin surface. They are supplied in two profiles (Corrugated and Greca) and in a range of sheet lengths.

The SunTuf™ range is designed to be used where thermal insulation is not required e.g.,

- Canopies
- Porches
- Pergolas
- Awnings
- Carports
- Skylights.

All SunTuf™ sheets have applied, to one side, a UV blocker which blocks up to 99.9% of harmful UV rays.

LIGHT AND HEAT TRANSMISSION, AND LIGHT DIFFUSION CHARACTERISTICS

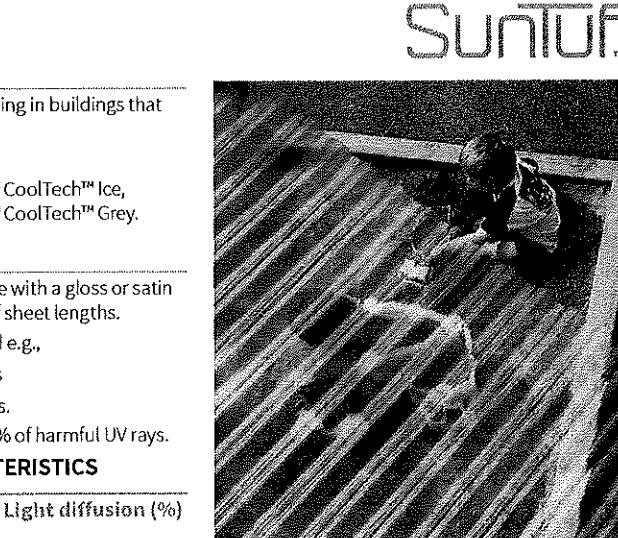
Range	Light transmission (%)	Heat transmission (%)	Light diffusion (%)
SunTuf™ Clear	90	89	-
SunTuf™ Grey Tint	30	55	-
SunTuf™ Bronze Tint	43	68	-
SunTuf™ LightTech™	85	80	100
SunTuf™ CoolTech™ Ice	25	35	-
SunTuf™ CoolTech™ Grey	20	33	-

SUNTUF PROPERTIES

Properties	Corrugated	Greca
Overall Width/Cover (nom)	860 mm/760 mm	810 mm/760 mm
Thickness (nom)	0.8 mm	0.8 mm
Depth of Corrugation	18 mm	16 mm
Kg per m ²	1.04	1.2
Clear & Grey Tints Lengths (m)	1.8, 2.1, 2.4, 2.7, 3.0, 3.3, 3.6, 4.2, 4.8, 6.0, 7.2	1.8, 2.4, 3.0, 3.6, 4.8, 6.0, 7.2
Bronze Tint Lengths (m)	1.8, 2.4, 3.0, 3.6, 4.8, 6.0	1.8, 2.4, 3.0, 3.6, 4.8, 6.0, 7.2
LightTech Lengths (m)	1.8, 2.4, 3.0, 3.6, 4.8, 6.0, 7.2	-
CoolTech Lengths (m)	1.8, 2.4, 3.0, 3.6, 4.8, 6.0	1.8, 2.4, 3.0, 3.6, 4.8, 6.0, 7.2

PSP also supply the following accessories for use when installing the SunTuf™ range:

- Fixings:
 - SupaDrive Multi galvanised multi-purpose fixings for use with timber and steel framing. They simultaneously cut the correct size hole through the polycarbonate.
 - Galvanised and stainless steel roof and wall fixings.
 - Galvanised storm washer fixings.
- Flashings:
 - Ridge and apron flashings in lengths of 2060 mm.
- Noise Reduction foam tape; helps to reduce creaking.
- Foam Eave Fillers; provide protection against weather, birds and dust.



For further assistance
please contact:

- 0800 786 883
- info@psp.co.nz
- www.psp.co.nz



USEFUL INFORMATION

For information on the design, installation and maintenance of SunTuf™ Polycarbonate Sheets and for our warranty refer to SunTuf™ website: www.suntuf.co.nz

SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Location	
In wind zones up to and including Extra High as defined in NZS 3604:2011 or to a calculated design wind pressure (ULS) of 2.1 kPa.	
In exposure zones as defined by NZS 3604:2011.	➤ Where adverse microclimatic conditions apply (see para. 4.2.4, NZS 3604:2011), consult with PSP technical staff.
Any proximity to a boundary.	➤ Within 1 m of a relevant boundary, the sheets may only be used as a roof cladding and must be used on an open-sided structure.
Building	
In conjunction with a primary structure that complies with the NZ Building Code or where the designer has established that the existing structure is suitable for the intended building work.	
On timber or lightweight steel framing as a roof cladding.	
As a roof cladding.	➤ Minimum roof pitch of 10°. ➤ Minimum curved radius 4 m. ➤ A potable water collection system may be installed.
As an external cladding.	➤ On buildings less than 10 m in building height.

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all PSP's requirements, SunTuf™ Polycarbonate Roofing will comply with or contribute to compliance with the following performance claims:

N.Z. Building Code clauses	Compliance statement ¹	BASIS OF COMPLIANCE
		Demonstrated by
B1 Structure	ALTERNATIVE SOLUTION	➤ Manufactured to EN 1013:2012. Palram (n.d.).
B1.3.1, B1.3.2, B1.3.3 (a), (e), (h), (i), (j), (q)		
B2 Durability	ALTERNATIVE SOLUTION	➤ Manufactured to EN 1013:2012. Palram (n.d.). ➤ Chemical Resistance of Palram Polycarbonate Products. PSP [n.d.].
B2.3.1 (b)		
E2 External Moisture	ALTERNATIVE SOLUTION	➤ Manufactured to EN 1013:2012. Palram (n.d.). ➤ Comparison of profile lap for Corrugated and Greca sheets: refer to details in NZ Metal Roof and Wall Cladding Code of Practice V3.0.
E2.3.1, E2.3.2, E2.3.7 (a, b, c)		
F2 Hazardous Building Materials	ALTERNATIVE SOLUTION	➤ Product Safety Data Sheet. PSP. [August 2016].
F2.3.1		

1. The Compliance Statement is the pass holder's statement that they have met their obligations under s14G(2) of the Building Act 2004.

SOURCES OF INFORMATION

- PSP. [n.d.] *Chemical Resistance of Palram Polycarbonate Products.*
- PSP. [n.d.] *SunTuf™ LightTech™ and CoolTech™.*
- Palram. [n.d.] *EN 1013:2012. Light transmitting single skin profiled plastics sheets for internal and external roofs, walls and ceilings. Requirements and test methods. Declaration of Performance.*
- PSP. [August 2016] *Product Safety Data Sheet. Palram Polycarbonate Products.*

2. Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards.

Scan or click this QR code for a full download of Compliance Documentation for this pass™.

www.suntuf.co.nz



VERSION: V2.0

DATE: 27/08/2021

Signed on behalf of Company PSP:

Note: Uncontrolled in printed format.

NAME: Vaughan Brown

POSITION: Business Unit Manager – Building Brands

By signing this pass™ the signatory confirms that, in respect of the subject of this pass™, the company has met their s14G obligations under the Building Act 2004.



320 Rosedale Road, Albany 0632 ➤ info@psp.co.nz ➤ 0800 786 883 ➤ www.suntuf.co.nz