OPTION 1 - RINK ROOF

STRETCHED FABRIC STRUCTURE

Company: Sollertia
https://sollertia.ca/en/

Main qualities of this system:
- translucidity allowing for natural ambient light
- covers large spaces reducing the quantity of supporting structure
- no perimeter walls required
- resistance and durability

Cost estimate:
Approximate price for structure and installation: $65/sq.ft
Area: 8690 sq.ft

Total (excluding taxes): ± $565 000

This estimate includes:
- professional fees for design, analysis and coordination
- fabrication of the fabric structure (structural beam, membranes and attachment and tensioning systems)
- installation

This estimate excludes:
- column foundations






OPTION 2 - RINK ROOF

STRETCHED FABRIC STRUCTURE

Company: Sprung
https://www.sprung.com/

Main qualities of this system:
- design can handle extreme winds and weather
- translucide daylight panels in peak provide natural light
- rust free aluminium structure
- wide range of colour membrane choices
- high tensioned wrinkled free membrane

Cost estimate:
Approximate price for structure: $35/sq.ft
Approximate price for installation: $18/sq.ft
Area: 8690 sq.ft

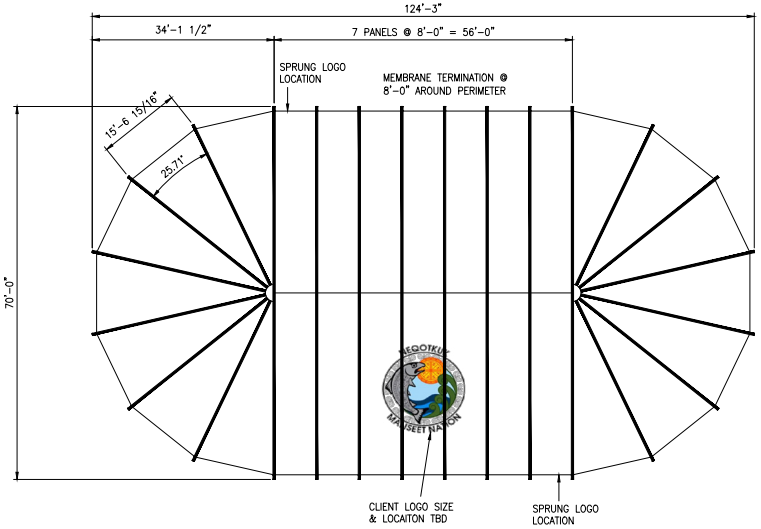
Total for strucutre: $303 000
Total for installation: $156 000

Total (excluding taxes): ± $460 000

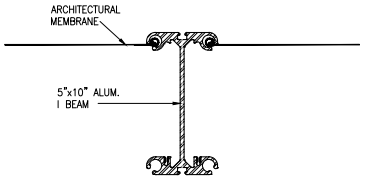
This estimate includes:
- 50 year guarantee for the aluminum sub structure
- 15 year guarantee on membrane
- independent engineered stamped drawing
- sprung technical consultant
- delivered to site
- installation

RINK ROOF OPTION 2

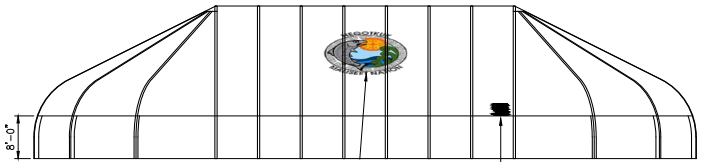
STRETCHED FABRIC STRUCTURE



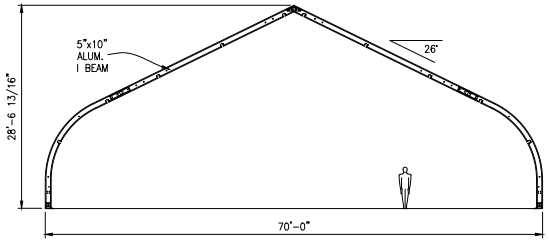
1 / 288.0 PLAN VIEW 3/32"=1'-0"



3 / 288.0 5"x10" BEAM SECTION 3"=1'-0"



2 / 288.0 ELEVATION 3/32"=1'-0"



4 / 288.0 SECTION 70'-0" NON-INSULATED STRUCTURE 1/8"=1'-0"

DRAWING APPROVAL

- ☐ APPROVED
- ☐ APPROVED w/CHANGES NOTED

CONFIRMATION OF DESIGN LOADS AT SITE PER THE LOCAL BUILDING DEPT.

SIGNATURE: _____

DATE: _____ MM/DD/YYYY

BUILDING CODE w/YEAR: _____

WIND LOAD (q50): _____

SNOW LOAD (Ss): _____

SNOW LOAD (Sr): _____

SPRUNG STRUCTURES

TOLL FREE: 1-800-528-9899
or (403) 601-2292 www.sprung.com

GENERAL NOTES:

1. STRUCTURE MEMBRANE MEETS: NFPA 701, CALIFORNIA STATE FIRE MARSHAL, ASTM E84, CAN/ULC-S-109 & CAN/ULC-S-102 SPECIFICATIONS.
2. THIS STRUCTURE IS DESIGNED TO SHED/RELEASE SNOW. THE PERIMETER OF THE STRUCTURE SHALL BE KEPT CLEAR.
3. WHEN DESIGNING A HEATING, VENTILATION OR AIR CONDITIONING SYSTEM FOR ANY TYPE OF BUILDING, IT IS IMPORTANT TO ENSURE THAT THIS SYSTEM INTAKES MORE AIR THAN IS BEING EXHAUSTED AT ANY GIVEN TIME. THIS PROCESS WILL RESULT IN A POSITIVE PRESSURE BEING MAINTAINED. CONVERSELY, IF NEGATIVE PRESSURE EXISTS WITHIN THE STRUCTURE, IT WILL BE DIFFICULT TO OPEN DOORS AND MOISTURE WILL BE DRAWN INTO THE STRUCTURE.
4. ALL INTERIOR WALLS & PARTITIONS (IF APPLICABLE) TO BE FREE STANDING & INDEPENDENT OF SPRUNG STRUCTURE.

SIGNATURE SERIES

REV	MM/DD/YY	BY	DESCRIPTION

EVOQ ARCHITECTURE

70.0 ' x 124.3 '
SUNSHADE

DRAWN BY: B. PHILIPOFF	DATE: 06/14/2021
SCALE: AS NOTED	DRAWING #: P21-288.0
SPRUNG WO:	