

sheffield elementary school

19053

client

School District No. 43 (Coquitlam) -
Vio Geana, vgeana@sd43.bc.ca

location

Coquitlam

size

3,853 m²

status

Design Development

Est'd completion Sept 2021

key features

Solar Photovoltaics

Glulam Columns and Beams

Daycare Incorporated

Outdoor roof top patio

Shotcrete retaining wall design

Sloped play areas



creating innovative solutions for a steeply sloping site

taking advantage of a sloping site to create unique play areas and green initiatives



The school is located on a very steeply sloping site with a grade change of approximately 25m. The main floor elevation of the school had to be strategically located to allow adequate access to school entrance, parking, and field/play areas. In doing so we were able to incorporate seating walls into the sloping grade at the playfield. There is also a significant slope from the parking area to the kindergarten wing. To try and take advantage of this, we incorporated sloped play areas with slides and play structures complimenting the primary kids. The gym incorporates a large roof which is sloped towards the south, allowing for the addition of solar Photovoltaics which should generate enough energy to power all of the lights in the school.

