

Official Community Plan Bylaw No. 4985, 2018, Amendment Bylaw No. 5292, 2024 (Lots C and D Daffodil Drive)

Effective Date:

5605737v1

Official Community Plan Bylaw No. 4985, 2018, Amendment Bylaw No. 5292, 2024

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Official Community Plan Bylaw No. 4985, 2018, Amendment Bylaw No. 5292, 2024

A bylaw to amend the Official Community Plan to allow for a housing development to address the missing middle within a development permit area.

Previous Amendments: Amendment bylaws 5008, 5045, 5054, 5057, 5064, 5074, 5076, 5120, 5135, 5128, 5172, 5321, and 5222.

WHEREAS the Council of The Corporation of the District of West Vancouver deems it expedient to provide for an amendment to the Official Community Plan to allow for the redevelopment of lands at Lots C and D Daffodil Drive;

NOW THEREFORE, the Council of The Corporation of the District of West Vancouver enacts as follows:

Part 1 Citation

1.1 This bylaw may be cited as Official Community Plan Bylaw No. 4985, 2018, Amendment Bylaw No. 5292, 2024.

Part 2 Severability

2.1 If a portion of this bylaw is held invalid by a Court of competent jurisdiction, then the invalid portion must be severed and the remainder of this bylaw is deemed to have been adopted without the severed section, subsection, paragraph, subparagraph, clause or phrase.

Part 3 Amends Schedule ii Area-Specific Policies & Guidelines

- 3.1 Schedule ii Area-Specific Policies & Guidelines to Official Community Plan Bylaw No. 4985, 2018 is amended as follows:
 - 3.1.1 By amending the key map of Residential Area Delegations by adding "Ground-Oriented Infill Housing" to the map legend and

identifying the location of the Development Permit Area on the map.

- 3.1.2 By adding "Policy BF-B16" as follows:
 - (a) "Promote the siting and design of ground-oriented infill housing in West Vancouver that integrates with the neighbourhood context and meets a high quality of building and landscape design to create an attractive, residential streetscape."
- 3.1.3 By adding "Policy BF-B16.1" as follows:
 - (a) "The lots shown on map BF-B16 that are bounded by Daffodil Drive and Westport Road may be considered for rezoning to enable ground-oriented infill housing types that may include single family dwellings, duplexes, townhouses, rowhouses, and/or combinations thereof to address the missing middle."
- 3.1.4 By adding "Ground-Oriented Infill Housing Development Permit Area Designation BF-B16" as illustrated by the map in Schedule A attached to this bylaw.

Part 4 Adds Development Permit Guidelines for Ground-Oriented Infill Housing

- 4.1 Schedule ii Area Specific Policies & Guidelines to the Official Community Plan Bylaw No. 4985, 2018 is further amended as follows:
 - 4.1.1 By adding "Guidelines BF-B16" for ground-oriented infill housing, as described in **Schedule B** as attached to this bylaw.

Part 5 Table of Contents

5.1 Schedule ii to the Official Community Plan Bylaw No. 4985, 2018 is further amended by including "BF-B16 Ground-Oriented Infill Housing" in sequential order in the table of contents for Area-Specific Policies & Guidelines.

Schedules

Schedule A – Development Permit Area Designation BF-B16 Schedule B – Built Form Guidelines BF-B16 READ A FIRST TIME (MAJORITY VOTE IN THE AFFIRMATIVE) on March 11, 2024

PUBLICATION OF NOTICE OF PUBLIC HEARING on March 27 and April 3, 2024

PUBLIC HEARING HELD on April 8, 2024

READ A SECOND TIME (MAJORITY VOTE IN THE AFFIRMATIVE) on April 22, 2024

READ A THIRD TIME (MAJORITY VOTE IN THE AFFIRMATIVE) on April 22, 2024

ADOPTED by the Council (MAJORITY VOTE IN THE AFFIRMATIVE) on [Date].

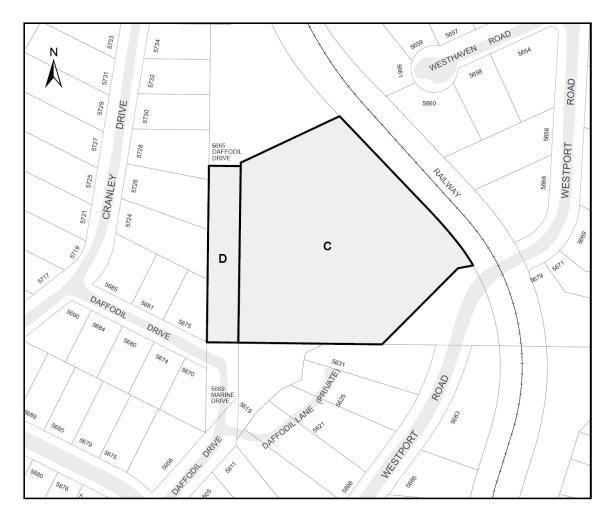
Mayor

Corporate Officer

Schedule A – Development Permit Designation BF-B16

Amendment to Official Community Plan Bylaw No. 4985, 2018, Schedule A, Schedule ii, Area-Specific Policies & Guidelines.

The area shown shaded on the map below is designated as the Development Permit Area BF-B16.



Category:	Local Government Act s. 488(1)(e), (h), (i), and (j)						
Conditions:	The Development Permit Area designation is warranted to provide for the compatibility of ground-oriented infill housing units to address the missing middle.						
Objectives:	 To integrate intensive residential development with existing site features, and the built form and character of the surrounding area; To promote a high standard of design, construction and landscaping; and To promote energy and water conservation and the reduction of greenhouse gas emissions. 						
Guidelines Schedule:	Guidelines BF-B16 shall apply.						

Development may be	 is for the construction or renovation of or small addition to a dwelling unit; or is for a renovation or small addition that is considered to have no material change to the external appearance of the premises, meets all the requirements of the Zoning Bylaw, and conforms to Guidelines BF-B16.
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Schedule B – Built Form Guidelines BF-B16

I. CONTEXT AND CHARACTER

a. New development should respect the pattern, scale, and height of existing buildings, and the established landscape character of the neighbourhood.

II. BUILDING DESIGN

- a. Buildings and structures should demonstrate variety in terms of form and character, architecture massing and roof forms while maintaining a cohesive approach to the overall design.
- b. Roof forms should be designed to reduce the appearance of height, such as varied forms, large overhangs, or integrated with roof slope.
- c. Finishing materials should be varied and of natural materials to provide interest and texture.
- d. Creating a single 'building wall' along property lines should be avoided through a combination of design, setbacks, heights measured from grade, and the retention of mature trees and landscaping where possible.
- e. Balconies and decks should be screened and located to provide privacy and minimize overlook onto neighbouring properties.
- f. Design strategies and building details such as natural crossventilation, energy efficient fixtures and high-performance materials should be used to create buildings that meet or exceed District sustainability targets.
- g. All dwelling units should have access to adequate indoor storage areas, including convenient and secure bicycle storage.

III. LANDSCAPE DESIGN

- a. Each unit should be provided with private outdoor space.
- b. Common private gathering areas should be connected to the neighbourhood and encourage socializing through the installation of landscape features such as gardening boxes, garden furniture or other common outdoor amenities or activities.
- c. Exposed concrete walls or parkades should be faced with natural stone to blend them into the landscape.
- d. The area between a public street and private space should be designed as a transitional area that is visually interesting to pedestrians while clearly privately owned rather than walled or fenced off from public view.

- e. Plant materials should create a lush natural garden environment with some ornamental character, however, should promote sustainability overall through the use of native and drought tolerant plants and the integration of storm water management strategies such as a rain garden.
- f. The landscape design should enhance the neighbourhood, compliment the development and reduce the apparent mass of buildings.
- g. Healthy trees and landscaping should be retained and protected where appropriate. Opportunities for transplanting existing landscaping materials and integrating them into the new design is encouraged.
- Special attention should be taken along property lines where possible to address screening and maximize tree retention between adjacent properties. Additional screening and landscaping should be supplemented where required to provide additional privacy to adjacent residents.
- i. Glare and light spill of exterior or ground level lighting to surrounding properties should be minimized.

IV. CIRCULATION AND PARKING

- a. All required parking shall be located within attached garages designed to have a minimal presence on the streetscape.
- b. Street-oriented units should have principal pedestrian access from the street.
- c. Interior-oriented units should have principal pedestrian access from a shared connection through the site to the street.
- d. Areas for the storage of garbage and recycling should be located and screened to minimize their visibility from the street.

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Zoning Bylaw No. 4662, 2010, Amendment Bylaw No. 5293, 2024 (Lots C and D Daffodil Drive)

Effective Date:

5605740v1

Zoning Bylaw No. 4662, 2010, Amendment Bylaw No. 5293, 2024

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Daffo	dil Drive)	.4
	dule B – Amendment to Zoning Maps	

Zoning Bylaw No. 4662, 2010, Amendment Bylaw No. 5293, 2024

A bylaw to rezone property at Lots C and D Daffodil Drive for a housing development to address the missing middle.

Previous amendments: Amendment bylaws 4672, 4677, 4678, 4679, 4689, 4701, 4680, 4710, 4697, 4716, 4712, 4737, 4726, 4736, 4757, 4752, 4767, 4787, 4788, 4784, 4772, 4791, 4805, 4809, 4828, 4854, 4873, 4866, 4895, 4839, 4898, 4927, 4944, 4905, 4974, 4967, 4982, 4962, 4928, 4992, 5001, 5021, 5024, 5009, 4938, 5044, 5055, 5051, 5068, 5065, 5087, 5069, 5110, 5106, 5132, 5161, 5155, 5160, 5013, 5122, 5155, 5169, 5192, 5175, 5171, 5201, 5230, 5081, and 5223.

WHEREAS the Council of The Corporation of the District of West Vancouver deems it expedient to provide for an amendment to the Zoning Bylaw;

NOW THEREFORE, the Council of The Corporation of the District of West Vancouver enacts as follows:

Part 1 Citation

1.1 This bylaw may be cited as Zoning Bylaw No. 4662, 2010, Amendment Bylaw No. 5293, 2024.

Part 2 Severability

2.1 If a portion of this bylaw is held invalid by a Court of competent jurisdiction, then the invalid portion must be severed and the remainder of this bylaw is deemed to have been adopted without the severed section, subsection, paragraph, subparagraph, clause or phrase.

Part 3 Adds the CD84 Zone & Rezones the Site

3.1 Zoning Bylaw No. 4662, 2010, Schedule A, Section 600 (Comprehensive Development or site specific zones) is hereby amended by adding Section

684 as the CD84 - Comprehensive Development Zone 84 (Lots C and D Daffodil Drive), as set out in **Schedule A** attached to this bylaw.

3.2 The Lands shown shaded on the map attached as **Schedule B** to this bylaw are rezoned from RS10 – Single Family Dwelling Zone 10 to Comprehensive Development Zone 84 (Lots C and D Daffodil Drive), as set out in **Schedule A** attached to this bylaw.

Part 4 Amends the Table of Contents

4.1 Zoning Bylaw No. 4662, 2010, Schedule A, Section 100 Table of Contents is amended accordingly.

Part 5 Amends the Zoning Maps

- 5.1 Zoning Bylaw No. 4662, 2010, Schedule A, Section 852, Schedule 2 Zoning Maps is hereby amended by changing the zoning of the Lands as shown shaded on the map in Schedule B attached to this bylaw,
 - FROM: RS10 Single Family Dwelling Zone 10
 - TO: CD84 Comprehensive Development Zone 84 (Lots C and D Daffodil Drive)

Schedules

Schedule A – CD84 – Comprehensive Development Zone 84 (Lots C and D Daffodil Drive) Schedule B – Amendment to Zoning Maps READ A FIRST TIME on March 11, 2024

PUBLICATION OF NOTICE OF PUBLIC HEARING on March 27 and April 3, 2024

PUBLIC HEARING HELD on April 8, 2024

READ A SECOND TIME on April 22, 2024

READ A THIRD TIME on April 22, 2024

ADOPTED by the Council on [Date].

Mayor

Corporate Officer

Schedule A – CD84 – Comprehensive Development Zone 84 (Lots C and D Daffodil Drive)

684 CD84 (Lots C and D Daffodil Drive)

AMENDING BYLAW

SECTION REGULATION

684.01 Permitted Uses

- (1) accessory buildings and uses
- (2) child care
- (3) community care
- (4) ground-oriented dwellings
- (5) home based businesses

684.02 Floor Area Ratio

- (1) Maximum: 0.38 FAR
- (2) For the purposes of calculating FAR the site size is 18,030 square metres prior to any required dedications

684.03 Conditions of Use

- (1) Maximum number of units: 36
- (2) Land in the CD84 zone may be consolidated but must not be subdivided unless the owner registers a covenant under section 219 of the *Land Title Act* allocating the total number of dwelling units permitted in the zone among the parcels to be created by the subdivision.

684.04 Setbacks

Minimum:

- (1) Minimum for all buildings:
 - (i) North / West: 4.5 m
 - (ii) North / East: 4.5 m
 - (iii) South / East: 6 m
 - (iv) South: 6 m
 - (v) West: 6 m

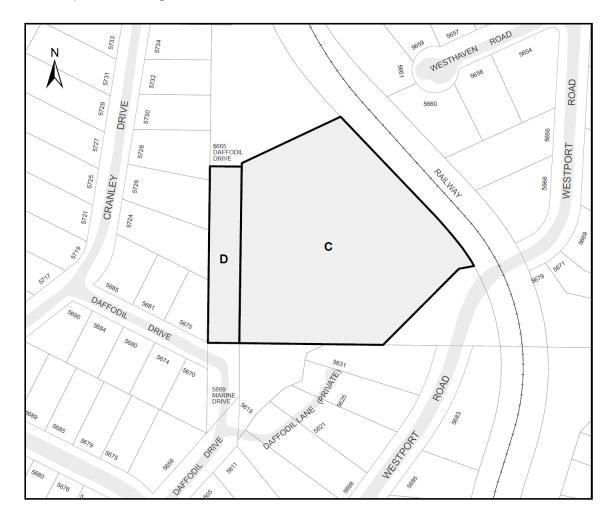
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684.05	Building Height						
(1) M	aximum: 9.1 metres						
684.06	Number of Storeys						
(1) Maximum: 2 + basement							
684.07	Site Coverage						
(1)	Maximum: 21%						
684.08	Off-Street Parking						
(1)	Parking shall be in accordance with Section 144 of this bylaw						

Schedule B – Amendment to Zoning Maps

Amendment to Zoning Bylaw No. 4662, 2010, Schedule A, Section 852, Schedule 2, Zoning Maps.

Sketch plan showing the area to be rezoned for CD84:





District of West Vancouver Proposed Development Permit No. 21-131

CURRENT OWNER: STIRLING PACIFIC DEVELOPMENTS

THIS DEVELOPMENT PERMIT APPLIES TO: Lots C and D, Daffodil Drive

CIVIC ADDRESS: Unassigned

LEGAL DESCRIPTION: 010-068-775 LOT C (REFERENCE PLAN 3355), GROUP 1 NEW WESTMINSTER DISTRICT EXCEPT PART IN REFERENCE PLAN 11716 DISTRICT LOT 1374

AND

015-934-586 LOT D (REFERENCE PLAN 3355) DISTRICT LOT 1374 GROUP 1 NEW WESTMINSTER DISTRICT

(the 'LANDS')

1.0 This Development Permit:

- (a) imposes requirements and conditions for the development of the Lands, which are designated by the Official Community Plan as the:
 - a. Ground-Oriented Infill Housing Development Permit Area to promote the siting and design of ground-oriented infill housing in West Vancouver that integrates with the neighbourhood context and meets a high quality of building and landscape design to create an attractive, residential streetscape subject to Guidelines BF-B16 specified in the Official Community Plan; and
 - b. Sites with Difficult Terrain Development Permit Area to guide development that avoids hazardous conditions, ensures greater environmental compatibility of development on sloping sites, protects the natural environment on difficult terrain, and minimizes site disturbance and blasting during construction subject to Guidelines NE-6 in the Official Community Plan; and
- (b) is issued subject to the Owner's compliance with all of the Bylaws of the District applicable to the Lands, except as varied or supplemented by this Permit.

2.0 The following requirements and conditions shall apply to the Lands:

- 2.1 Building, structures, on-site parking, driveways, and site development shall take place in accordance with the attached **Schedules A.**
- 2.2 Servicing and site layout for subdivision shall generally take place in accordance with **Schedules A and B**.
- 2.3 Buildings shall be sited and road access designed to accommodate fire fighting vehicles and equipment.
- 2.4 Sprinklers must be installed in all areas as required under the Fire Protection and Emergency Response Bylaw No. 4366, 2004.
- 2.5 On-site landscaping shall be installed at the cost of the Owner in accordance with the attached **Schedule B**.
- 2.6 Sustainability measures and commitments shall take place in accordance with the attached **Schedules A and B**.
- 2.7 All balconies decks and patios are to remain fully open and unenclosed and the weather wall must remain intact.
- 2.8 Where provided for on **Schedule A**, balconies, decks and patios may be provided with external glass weather protection devices, but in any case, the weather wall must remain intact.

3.0 Prior to commencing site work or Building Permit issuance, whichever occurs first, the Owner must:

- 3.1 Provide and implement a plan for traffic management during construction to the satisfaction of the District's Manager of Development Engineering.
- 3.2 Install tree, vegetation and/or hedge protection measures as required to the satisfaction of the District's Environmental Protection Officer.
- 3.3 Submit a "Sediment and Erosion Plan" to the District's Environmental Protection Officer for approval, which the Owner shall comply with and be responsible for maintaining, repairing and implementing the sediment control measures.
- 3.4 Provide an assessment from a qualified geotechnical engineer on the rockfall hazard and slope stability of cut slopes, recommendations for permanent and temporary slope batters, potential blasting requirements, retaining walls, fill placement, compaction, and pavement recommendations. Assessment shall also consider hazards associated with rockfall from excavation or existing sources that may be increased as a result of construction activities or naturally including changes in groundwater, erosion, freeze-thaw, weathering, root growth or leverage of roots moving in high winds, and tree removal.

4.0 **Prior to Building Permit issuance:**

- 4.1 Provide engineering civil drawings detailing works, and enter into a Works and Servicing agreement, including but not limited to:
 - (a) storm water management measures;

- (b) site service connections;
- (c) new boulevard plan along the frontage of the site including curbs, sidewalk, lighting, and grading plan;
- (d) repaving along the frontage of the Lands,
- (e) signalization of the pedestrian crossing at Marine Drive & Cranley Drive
- (f) on and off site utility upgrades (water, storm and sanitary) as required for this development,

which must be submitted for acceptance, and security provided for the due and property completion of the engineering works, all to the satisfaction of the District's Manager of Land Development.

- 4.2 Register a right-of-way permitting public pedestrian access over, through, and on the lands. Specifications for delivery of the public pathway design/improvements to be confirmed subject to satisfaction of condition 4.1.
- 4.3 Register a right-of-way permitting access and utility services to 5665 Daffodil Lane through the lands to be confirmed subject to satisfaction of condition 4.1.

5.0 Prior to Occupancy Permit issuance:

5.1 Prior to final occupancy the applicant must submit documentation demonstrating that the "as-built" development complies with all requirements of this development permit. Any variations must be clearly identified with a rationale and explanation noting that planning staff review and approval may be needed for variations prior to final occupancy.

6.0 Security for Landscaping

- 6.1 Prior to building permit issuance, security for the due and proper completion of the landscaping set forth in section 2.0 of this Development Permit (the "Landscaping Works") shall be provided in the amount of \$ \$250,000.00 (the "Landscape Deposit") to the District in the form of cash or unconditional, irrevocable auto-renewing letter of credit issued by a Canadian chartered bank or credit union.
- 6.2 Release of the Landscape Deposit:
 - (a) Following installation of the Landscaping Works and upon receipt of a certified letter or report by a Landscape Architect in good standing with the British Columbia Society of Landscape Architects to the District stating that:
 - a. the Landscaping Works have been installed substantially in accordance with **Schedule B**; and
 - any variations that may have been undertaken to the Landscaping Works are clearly identified, including but not limited to:
 - i. any adjustments to retaining walls,
 - ii. changes to the mixture or sizes of any plant materials or trees,

- iii. completion of any off-site or boulevard works,
- iv. any areas that received alternative treatment,
- v. any paving changes, or
- vi. any other additional or omitted plantings or alterations,

together with a clear rationale and explanation thereof and stating

- c. that a final review with the landscape contractor or consultant of record has been completed, including provision of the date when this final review was completed on,
- d. whether there are any outstanding Landscape Works which are outstanding or which need attention, and
- e. notwithstanding outstanding works in 5.2(a)(d) above, that the Landscaping Works are complete,

then District will release 75% of the initial value of the Landscape Deposit. The remaining 25% of the initial value of the Landscape Deposit shall be retained by the District as a warranty deposit (the "Warranty Deposit") to ensure successful installation of the Landscaping Works.

- (b) After a one-year period following certification that the Landscaping Works have been completed, and upon final certification by a Landscape Architect in good standing with the British Columbia Society of Landscape Architects that the Landscaping Works are successful, the District will release the Warranty Deposit.
- 6.3 Additional Landscape Security
 - (a) No occupancy shall be issued nor will any other final approvals be given for any individual building site identified as a "Parcel" on attached **Schedule A**, until:
 - a. all of the Landscaping Works are completed, or
 - b. the Owner provides security in addition to and separate from the Landscape Deposit, and in the amount of 110% of the value of the uncompleted Landscaping Works for that specific Parcel only (the "Additional Security Deposit") for the due and proper completion of the uncompleted or deficient Landscape Works for that specific Parcel only, as determined and certified by the consultant of record; and
 - c. the Additional Security Deposit will be released upon final certification by a Landscape Architect in good standing with the British Columbia Society of Landscape Architects following certification that all of the Landscaping Works on the Parcel have been completed.
- **7.0** This Development Permit lapses if the work authorized herein is not commenced within 24 months of the date this permit is issued.

THE COUNCIL OF WEST VANCOUVER APPROVED THIS PERMIT BY RESOLUTION PASSED ON [INSERT DATE] .

MAYOR

CORPORATE OFFICER

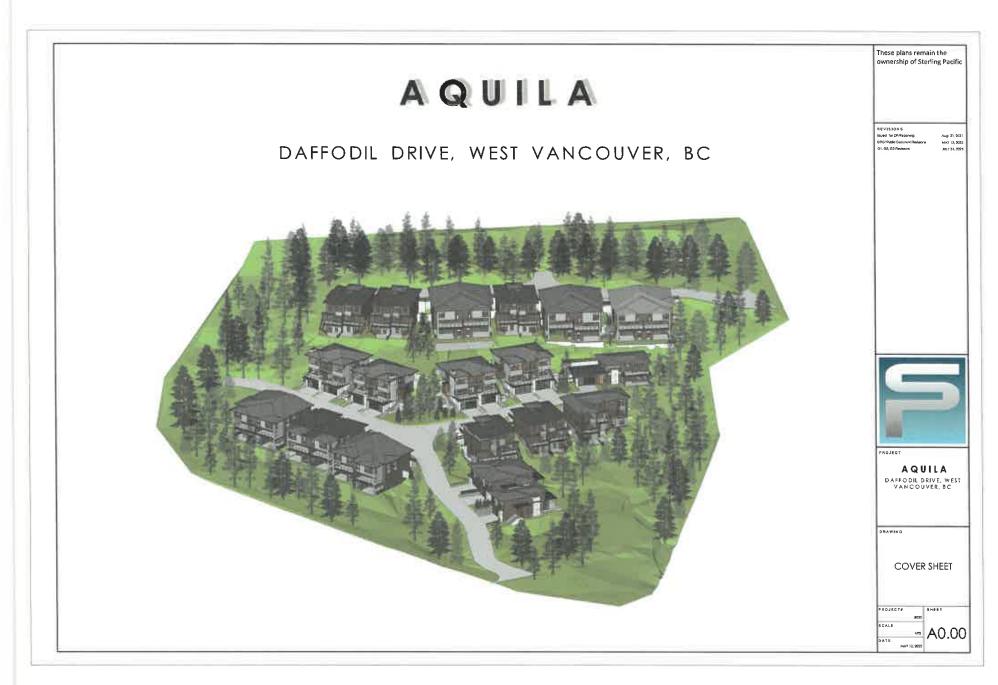
THE REQUIREMENTS AND CONDITIONS UPON WHICH THIS PERMIT IS ISSUED ARE ACKNOWLEDGED AND AGREED TO BY THE CURRENT OWNER. IT IS UNDERSTOOD:

- THAT OTHER PERMITS / APPROVALS MAY BE REQUIRED INCLUDING PERMITS / APPROVALS FOR BUILDING CONSTRUCTION, SOIL AND ROCK REMOVAL OR DEPOSIT, BOULEVARD WORKS, AND SUBDIVISION; AND
- THE DEVELOPMENT MUST ATTAIN REQUIREMENTS OF THE BC BUILDING CODE AND ANY VARIANCES TO THE ZONING BYLAW ARE THE RESPONSIBILITY OF THE OWNER AND MUST BE RECTIFED AT THE BUILDING PERMIT STAGE.

FOR THE PURPOSES OF SECTION 7.0 THIS PERMIT IS ISSUED ON [INSERT DATE]. (Report to Council dated February 28, 2024 eDoc#5605748)

Schedules:

- A. Architectural Plans
- B. Landscape Plans
- C. Geotechnical Report



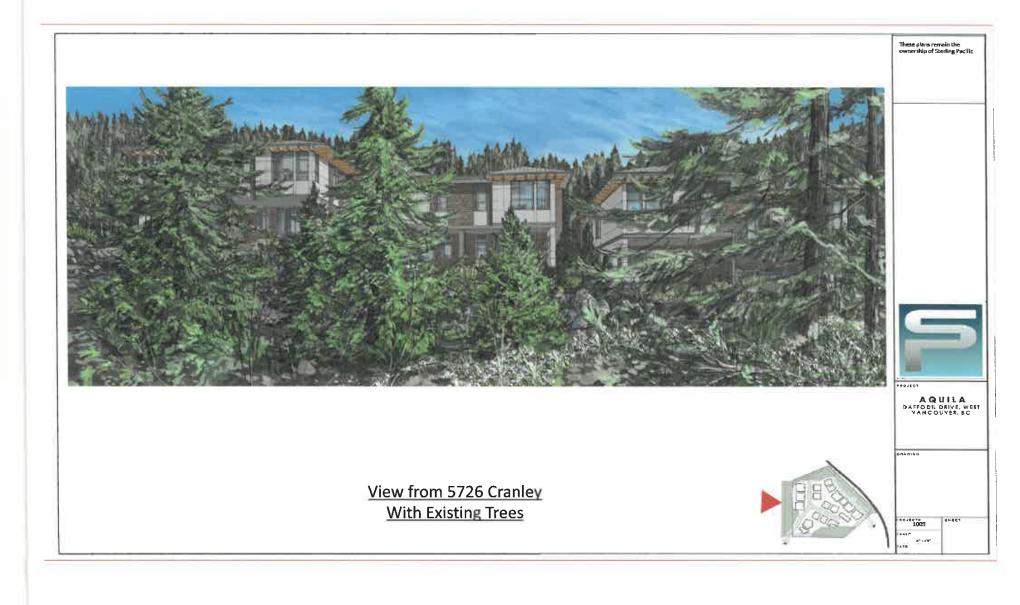
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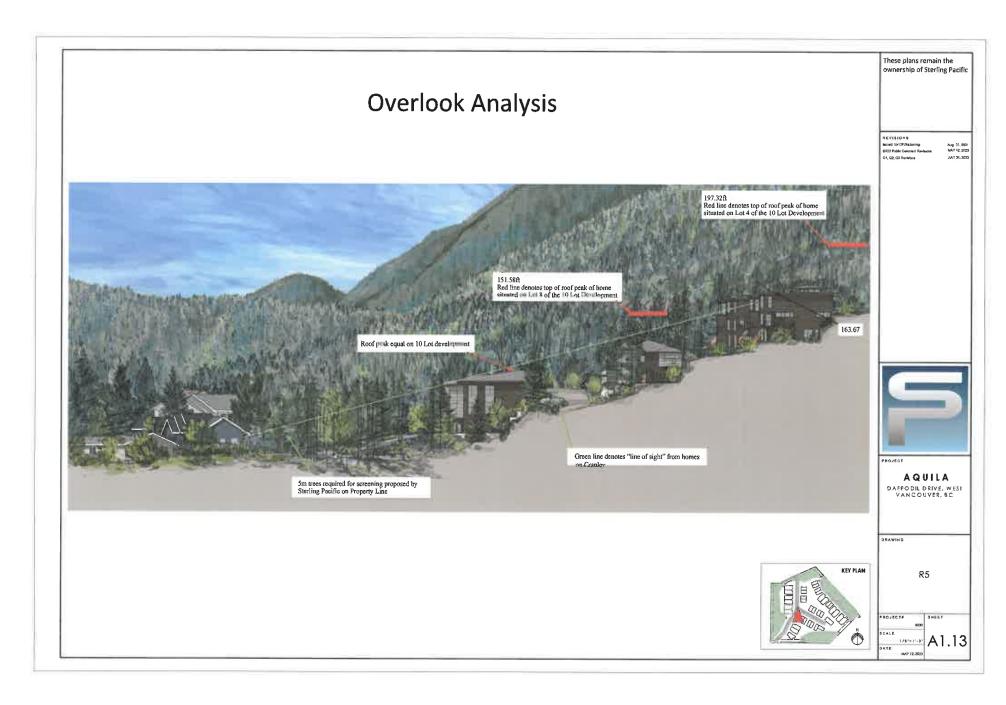






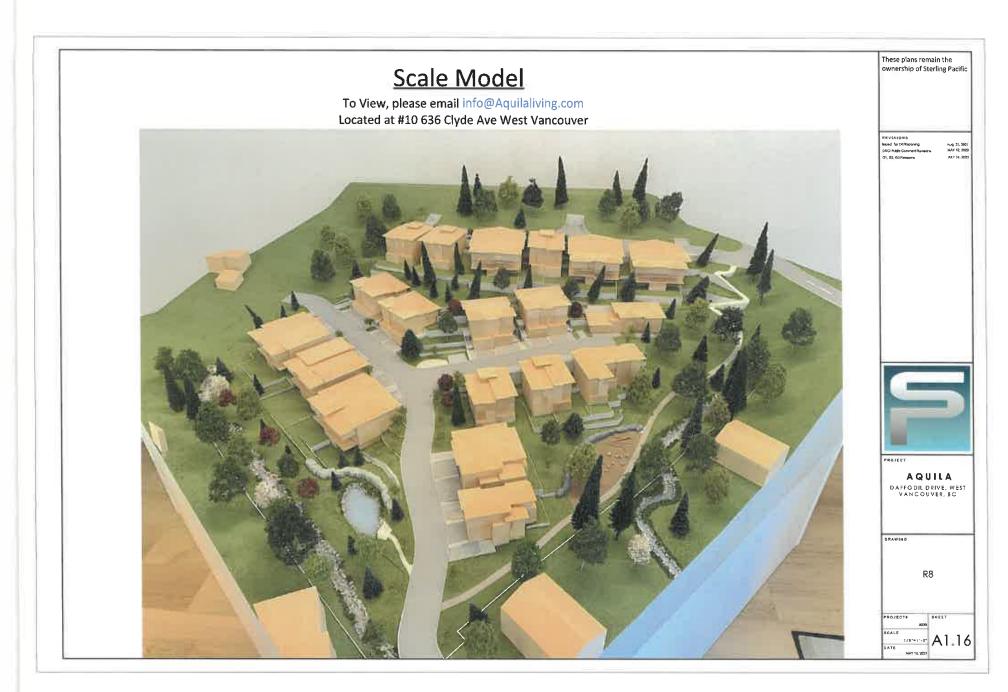




























DESIGN RATIONALE

Location, Transportation, and Community Context

Aquila is a unique site in that it encompasses over 194,000 square feet and is one of the largest sites in West

Vancouver below the Highway that has yet to be developed. The site is in the Eagle Horbour neighbourhood which is

comprised of an eclectic mix of varying styles of single-family homes. The site is located near Caulfield Shopping

Center along with Gleneagles and Eagle Harbour Bementary and Rockridge High School. In addition, the Gleneagles

community center and golf course, numerous marinas and a plethora of outdoor amenilies including beaches and

hiking trails are in clase proximity. Finally, the site is along the Marine Drive transit/cycling corridor, making it easil

accessible via public transit and bioycle.

Recently the site was approved to be subdivided into 10 targe single-family home lots to accommodate a subdivision of what are commonly referred to as monster homes. However, since this was done West Vancouver residents and

council, through the new Official Community Plan (OCP), have stated that they do not want more monster homes but rather want more diverse housing options particularly those in the "missing middle" segment; homes for young families, empty nesters, and essential service providers which have an increasing demand for accessibility, close proximity to community amenities and at a price point lower than what is and has been available in West Vancouver.

Aquila's design reflects the importance of these factors along with the QCP as well as the context of incorporating a design that seamlessly transitions into the existing single-tamily neighbourhood,

Site Development

Aquilo's site is in a location where it has large degrees of separation from the surrounding homes by natural

boundaries and buffers which will not only be maintained but enhanced by the development, Eagle Creek on the south which will be protected by a 15-meter setback, on the east by a forested ravine backing onto Westport Road, on the north by Canadian National Railway along with a treed buffer separating it from Aquila and along the western boundary by an environmental protection area of over 25 meters wide. This environmental area will be improved by removing the invasive plants and developing fish spawning ponds along with permanent protection through an environmental protection covenant.

The sile is currently accessed from Daffodil Dr on the south and Westport Rd on the north. One can currently travel

through the site exiting on Dalfodil Dr or Westport Rd, In designing Aquillo one of the key site development objectives was to ensure that the roads would not become teeder roads for the Eagle Harbour neighbourhood and its' popular beaches and marinas. That is allowing vehicles to travel through Aquila would not only be detrimental to developing a strong neighbour feel for Aquila but it would also be detilmental to the existing Eagle Natour neighbourhoad by significantly increasing the traffic going through it illuva quick nas been developed using a road system of cut-4-acas.

A public walkway has been provided through the property so that the residents of the Westport Road neighbourhood will have easier access to public transportation on the Marine Dr transit contidor as well as the parks and beaches of Eagle Harbour. In addition, Eagle Harbour residents will be able to walk to some of West Van's most covered lakes and trails on Black Mountain

As Aquila slopes from the north (Westport Rd) to the south (Dalfodil Dr) the roads have been developed utilizing the

natural terrain and therefore have been done in such a way to allow homes on one side of the road to drop below the road and on the other side to be built above the road. This way the sile can have a much more open feel with building massing being developed to minimize the overall look as the homes are built "into" the natural topography and to allow natural light to flow to all homes.

Building Form and Placement

In developing the building form for Aquila, unlike so many recent multifamily developments, the goal has not been to maximize density and the number of units but rather to create a development that is Iransitional between what West Van residents asked for in the OCP and the surrounding single-family homes. That is, no large buildings are

proposed, rather a development that weaves into the existing heighbourhood cantext by creating buildings similar in scale and massing to the existing homes. To accomptish this a mixture of 17 semi-detached buildings and 2 single family homes have been used.

The Floor Area Ratio (FAR) of the approved 10 lot subdivision is 35% and the proposed FSR for Aquila is 37.8%. A mere 2.8% greater

Ensuring that these homes can be integrated onto the site in a sensitive way ensuring openness and natural light is paramount and without infringing on the environmental and natural buffers. In fact the greenbelt in

Aquila has been enlarged by 9,230 sqft when compared to the 10 lot subdivision.

Positioning the buildings on the site has also been done to ensure that there are outdoor amenity areas where the residents of aquila and the surrounding community can enjoy. This further creates a connection between Aquila and its neighbours



AQUILA

DAFFODIL DRIVE, WEST VANCOUVER, BC

DESIGN

RATIONALE

SHEET

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These plans remain the ownership of Sterling Pacific

Aug 31, 2021 MAY 12, 2023

JULY 31, 2023

REVISIONS.

laued for DP/Resoring

G1, G2, G3 Revision

ORC/ Public Contrant Revision

OFFICIAL COMMUNITY PLAN

2.1 Existing Neighbourhoods

2.1 In recognition of the very limited availability of housing forms such as duplex, triplex, and townhomes, the development seeks to increase the variety of housing options available in West Vancouver. A variety of single family and duplex homes are provided with a mix of 3 to 4 bedrooms ranging from 2.170 SF to 4.073 SF in size. The proposal regenerates the single-family neighbourhood with "missing middle" housing options orientated around thoughtful site and landscape design encouraging opportunities for social interaction and connectedness within the community.

2.1.4 Increase "missing middle" housing options with ground oriented multifamily on appropriate sites along the marine drive transit corridor by:

2.1.4

a. The proposals close proximity to the Eagle Harbour Elementary School and the existing commercial use along Marine Drive make it an ideal site for expanding the "missing middle" housing options with ground-orientated multi-family housing. (Refer to Map 2. Marine Drive Transit Corridor).

b. Homes are oriented in relation to the steep slope of the site as well as the surrounding creeks and wetlands. Access is provided both off Daffadil Drive and Westport Road creating 2 separate access points and reducing the traffic to the adjacent streets. A traffic study has been completed and provided with the submission. The two sections are linked together through pedestrian paths both for the proposed community and the neighbourhood.

c. The proposed height of the duplexes are kept to a maximum of three storeys with careful terracing to the faces fronting the public realm. The majority of the homes appear as a single storey from the street. 2.1.6 Prioritize community use and/or housing objectives when considering, redevelopment proposals of institutional, public assembly or community sites district-wide that provide an existing community or public use function by:

2.1.6

b. The development seeks to provide the neighbourhood with walking paths linking Daffadil Drive and Westport Road. These tralls also provide the community with a connection to the surrounding creak and wetlands on the site.

2.1.2. Consider proposals within neighbourhoads for site-specific zoning changes that are not otherwise supported by policies in this plan only in limited. circumstances by:

2.1.7

a. Public open house and community outreach has been completed prior to submission,

b. The proposed site is separated from the neighbouring single family context buy a surrounding greenbelt which will be retained. On the North side of the site are the existing CPR tracks.

c. A traffic study has been completed and provided to demonstrate the minimal impact to local traffic.

d. The proposed height of the duplexes are kept to a maximum of three storeys with careful terracing to the faces fronting the public realm. The majority of the homes appear as a single storey from the street.

e. Eagle Harbour is a family oriented neighbourhood where close proximity to schools and recreational facilities is important. Aquila will add to the community feel by adding a public walking paths within the development to further connect the neighbouring homes to the property.

f. Feedback from the public was considered and implemented in the proposal.



These plans remain the



MAP 2 . MARINE DRIVE TRANSIT CORRIDOR



DISTRICT OF WEST VANCOUVER OFFICIAL COMMUNITY PLAN 25

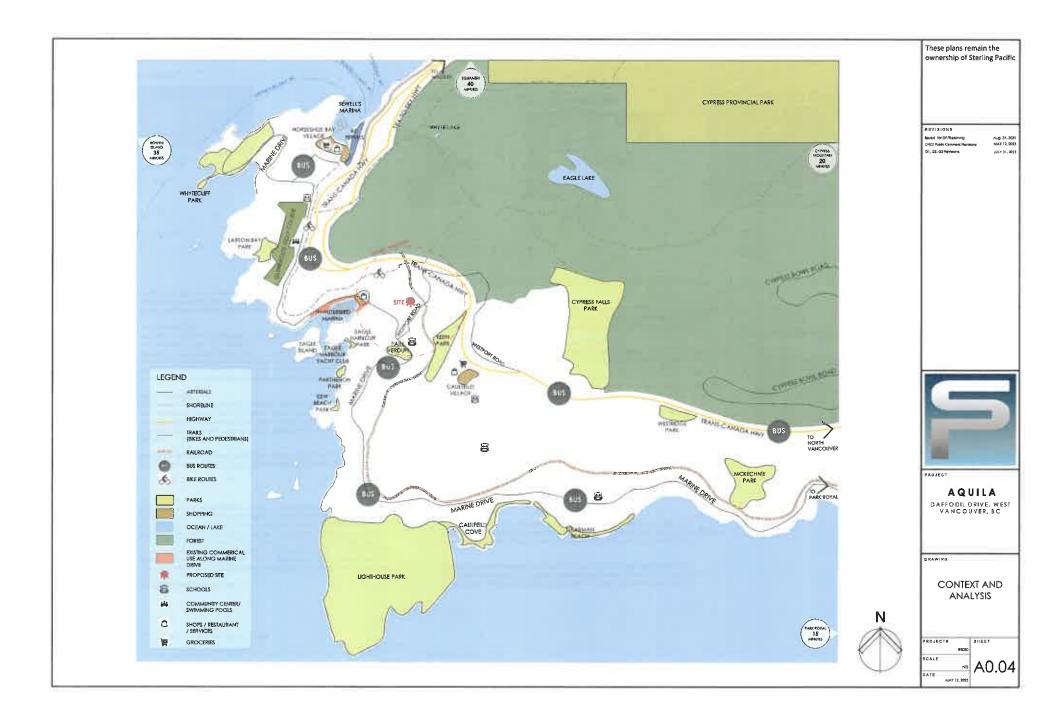
Townhouse 3% Duplex

Housing by building form (2016)

Single-family

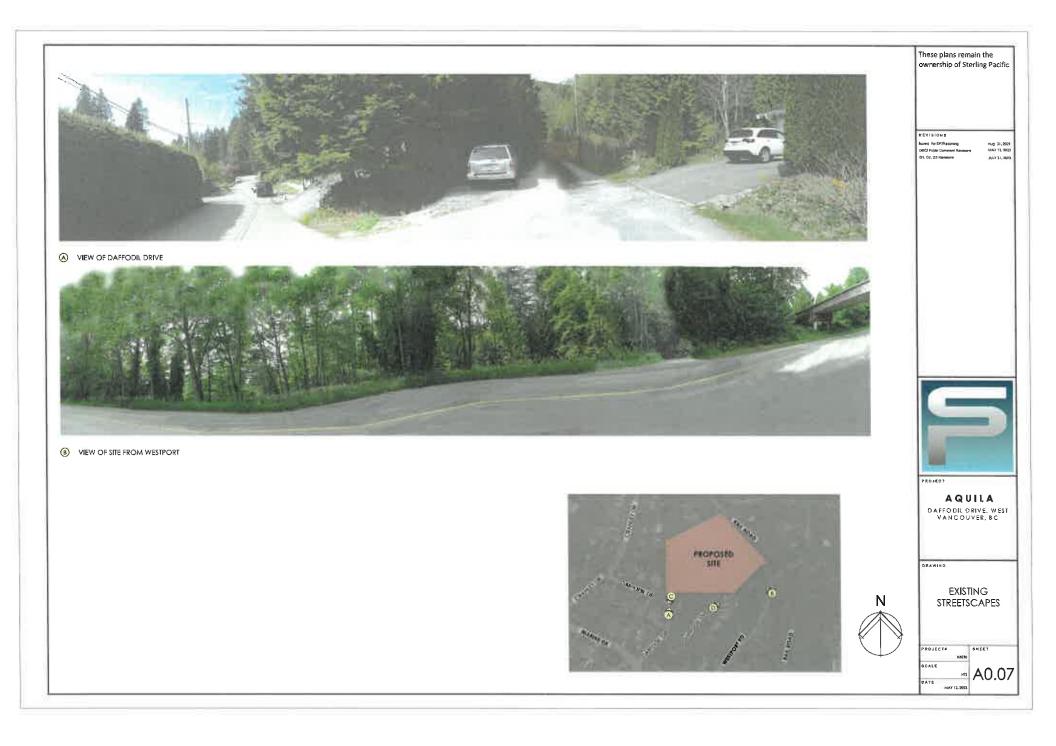
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Relained Greenbell Surrounding the Site



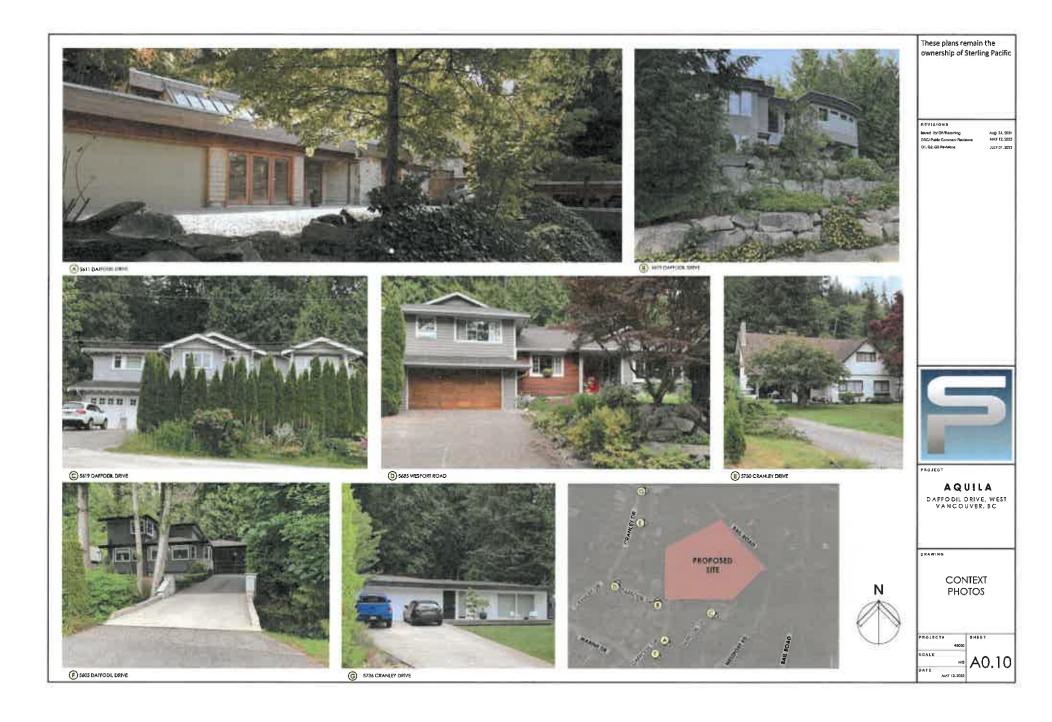






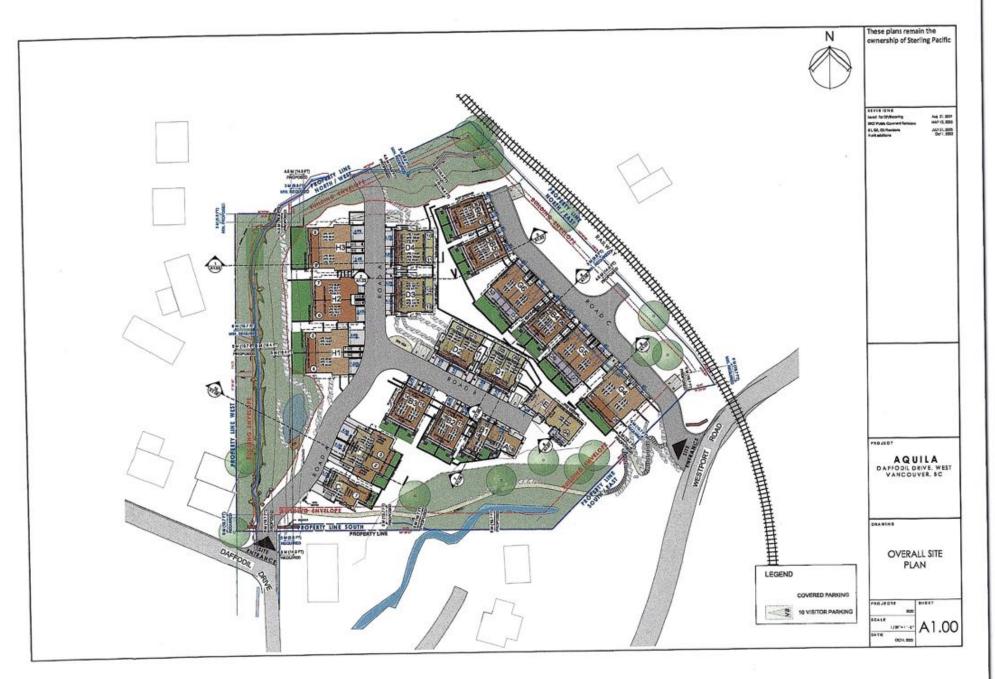


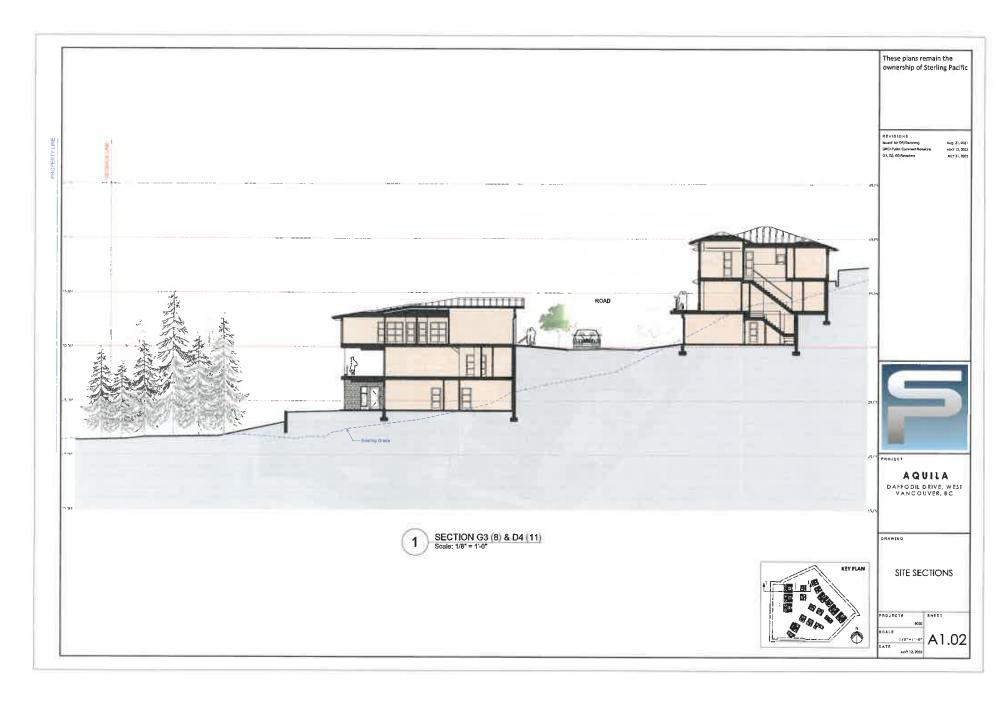


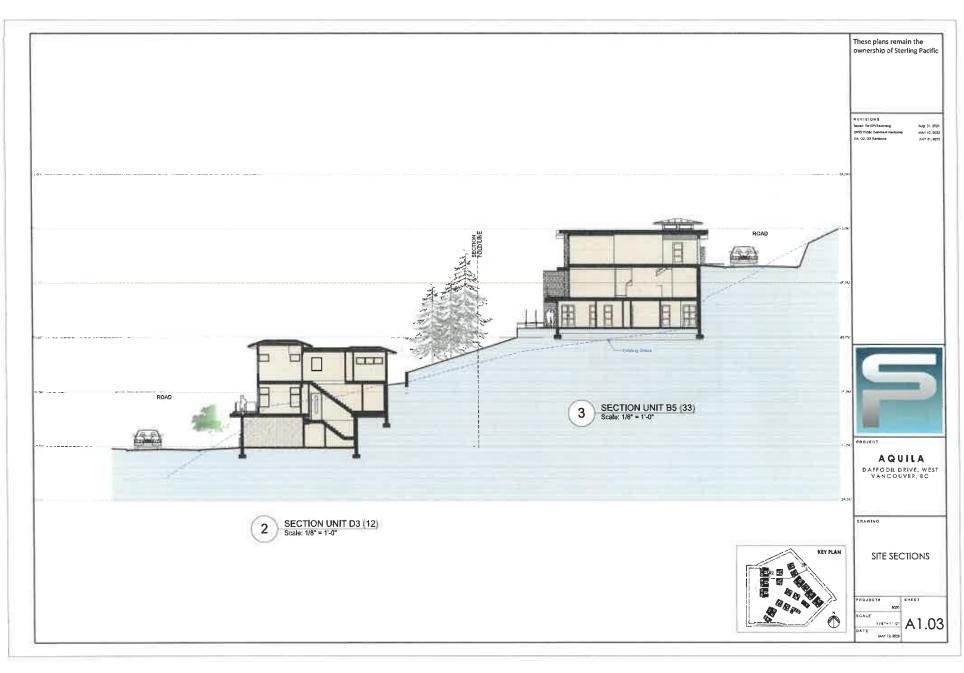




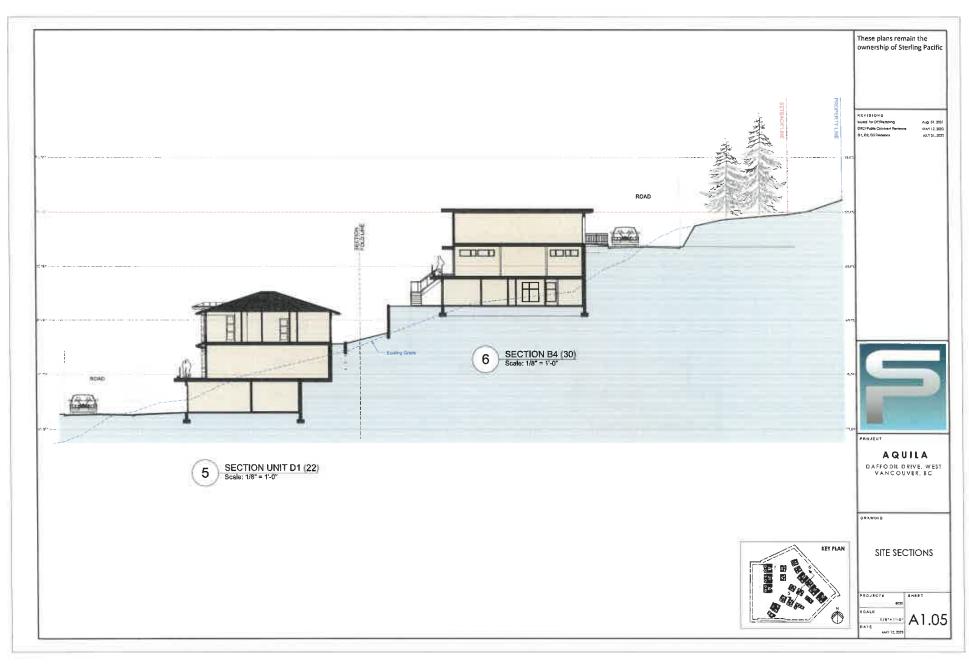


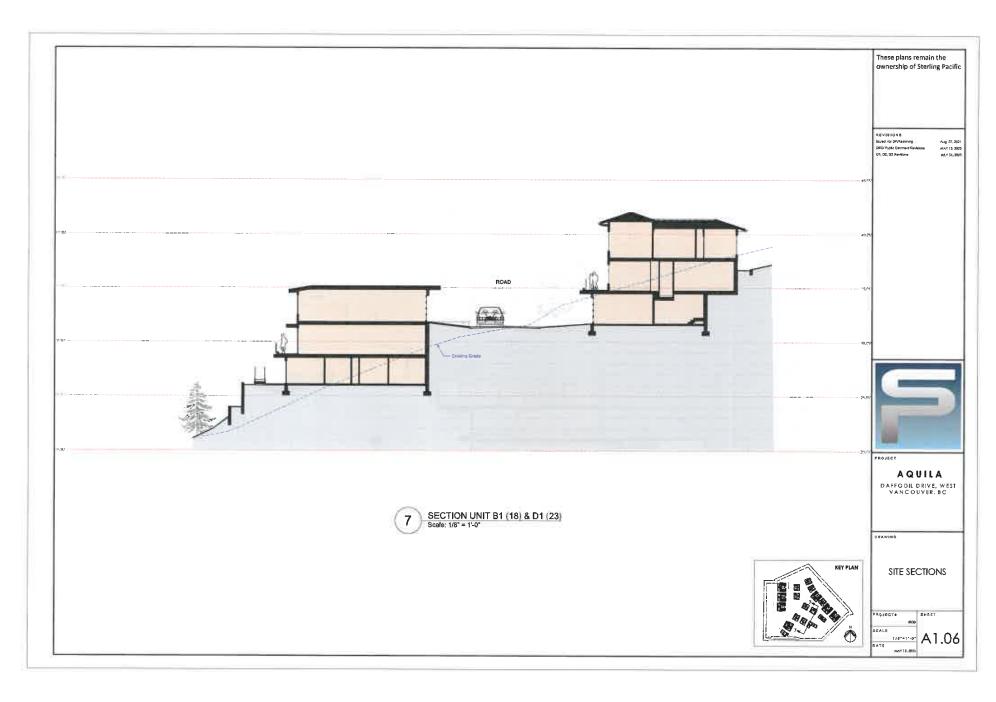


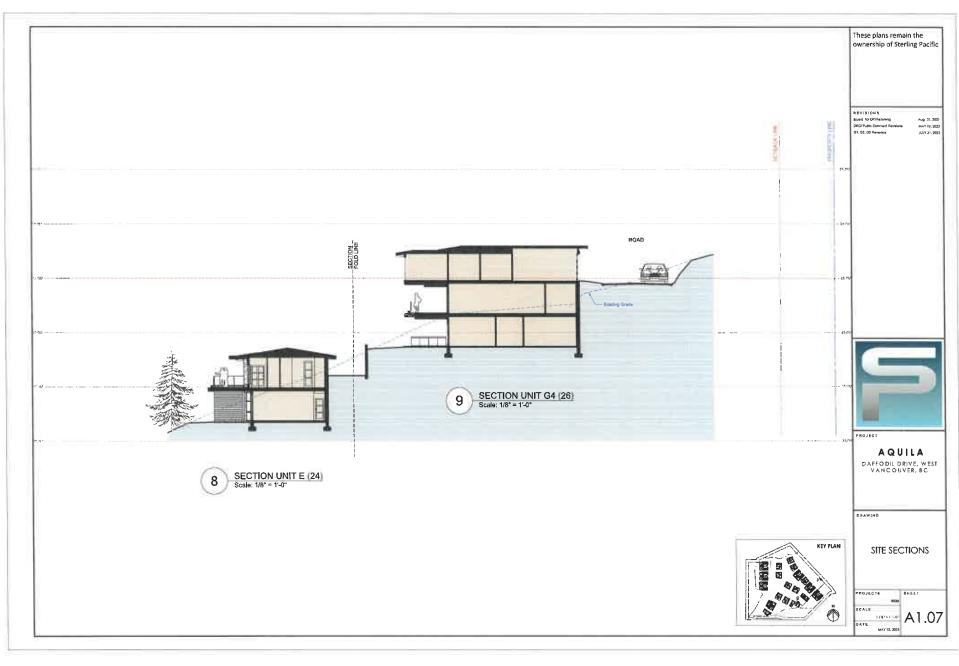




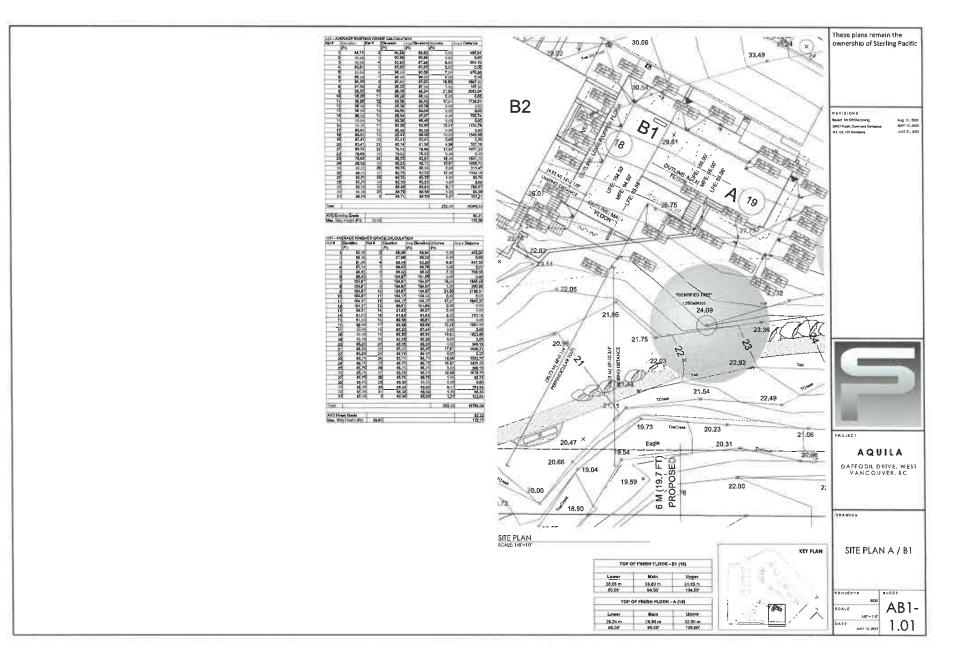


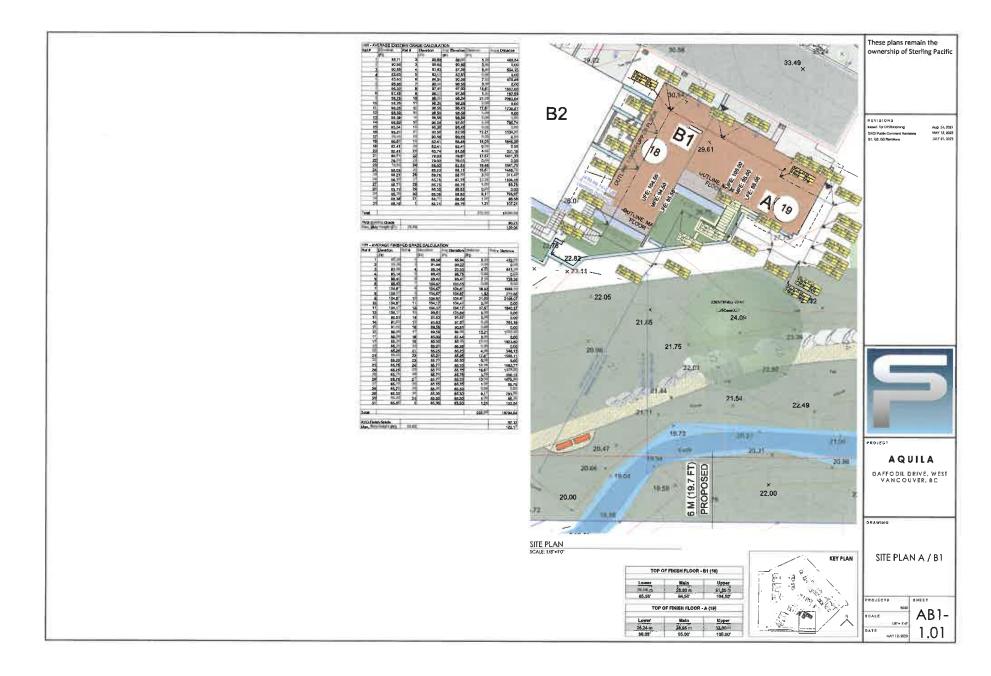


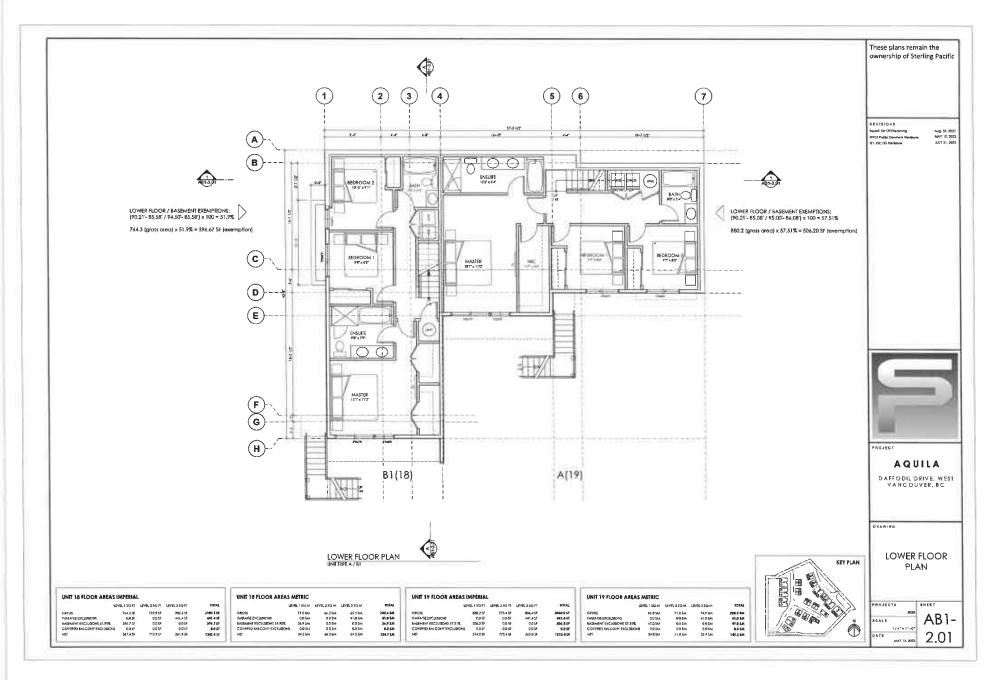


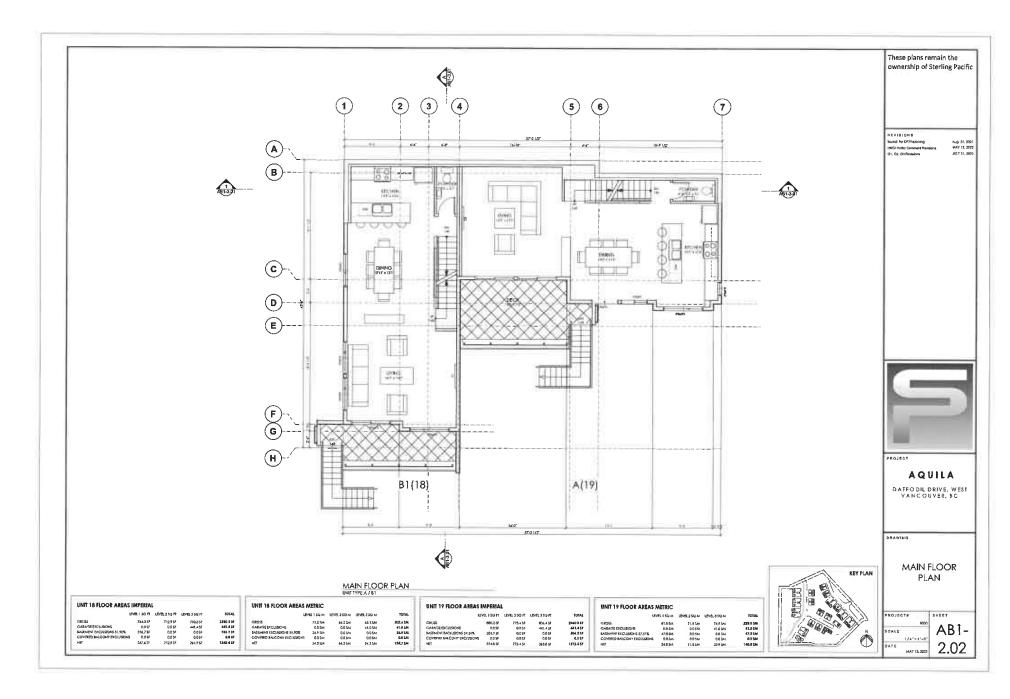


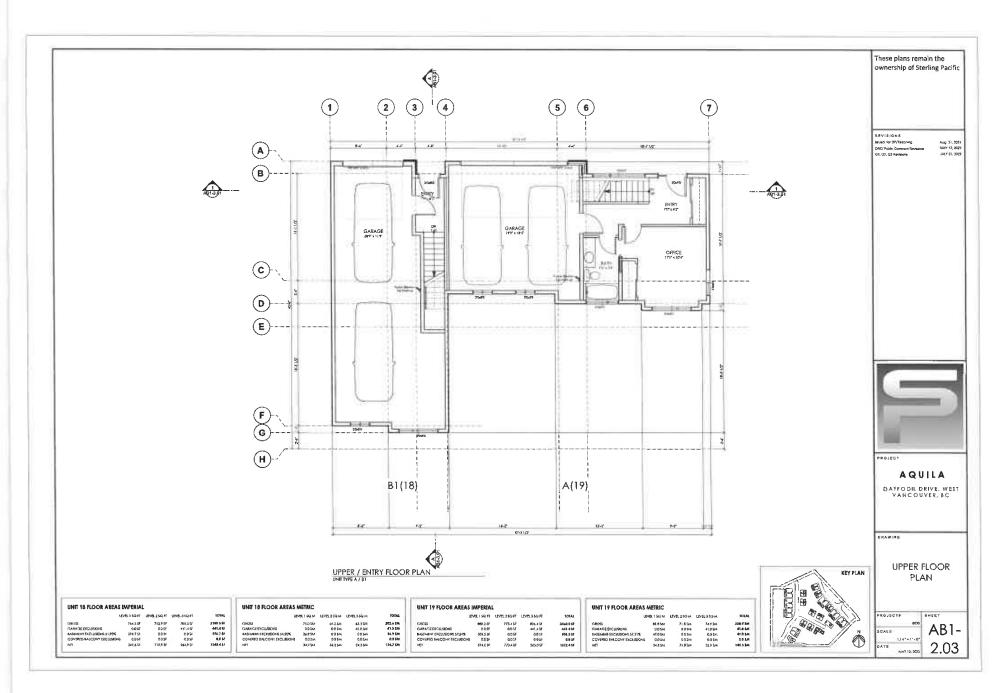


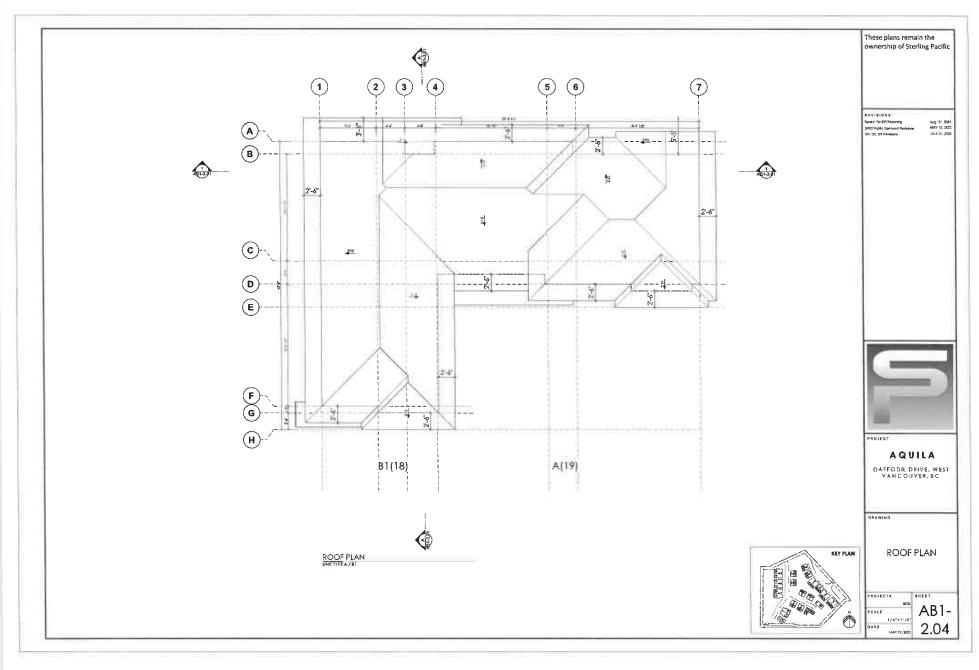


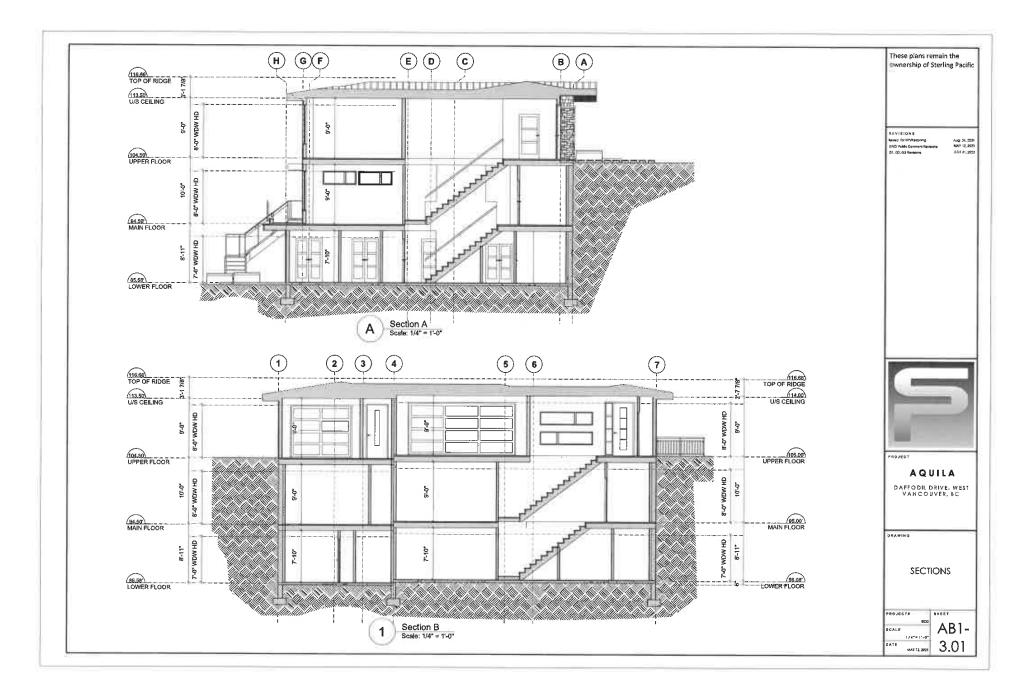


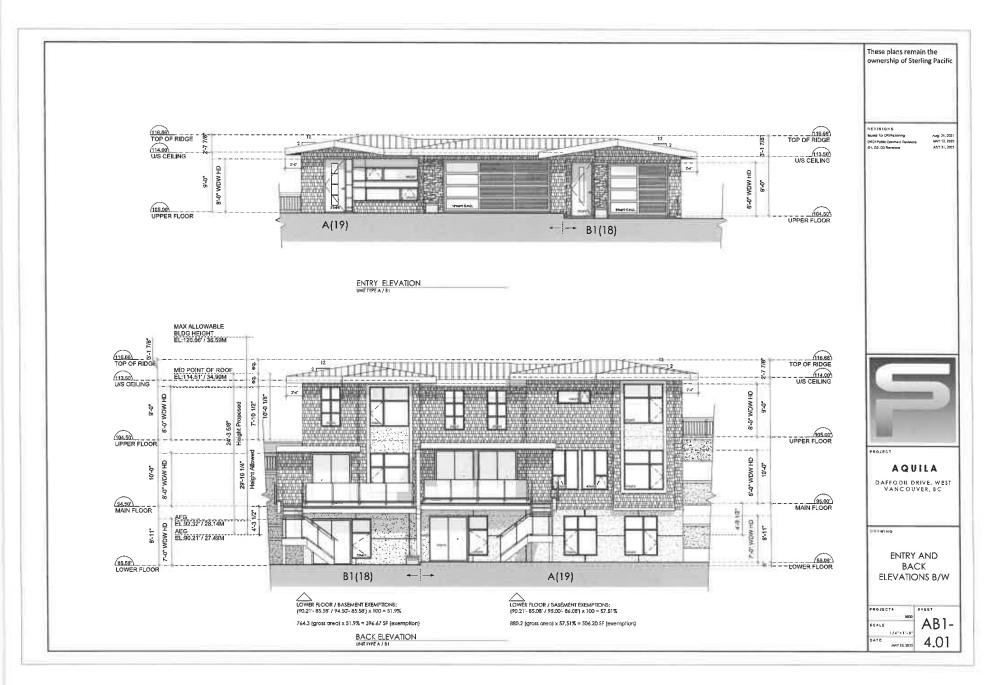


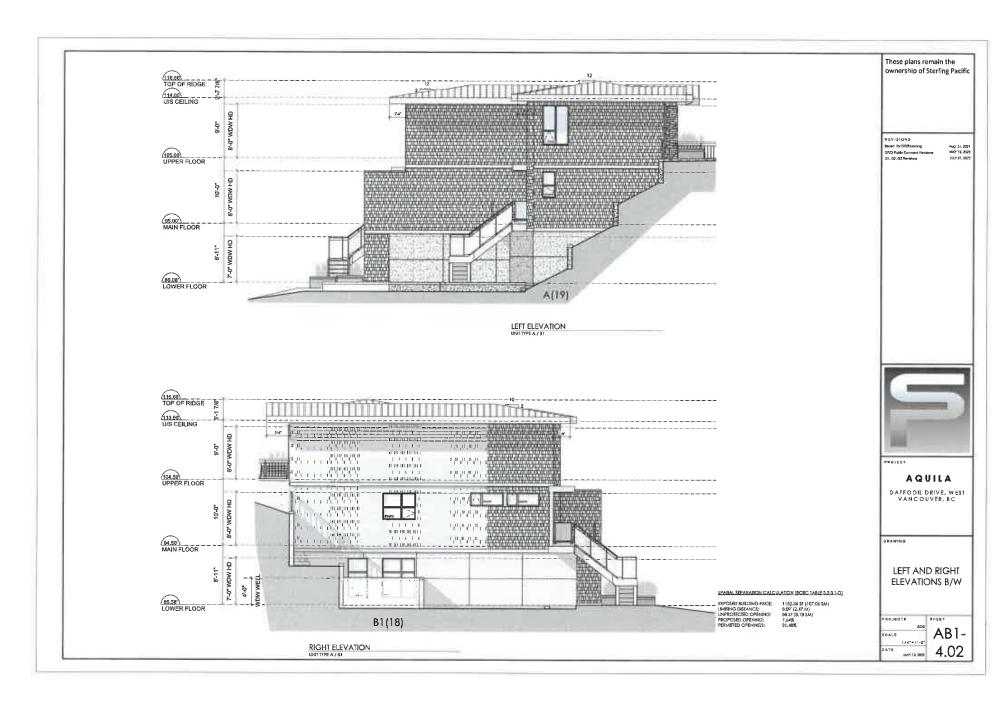




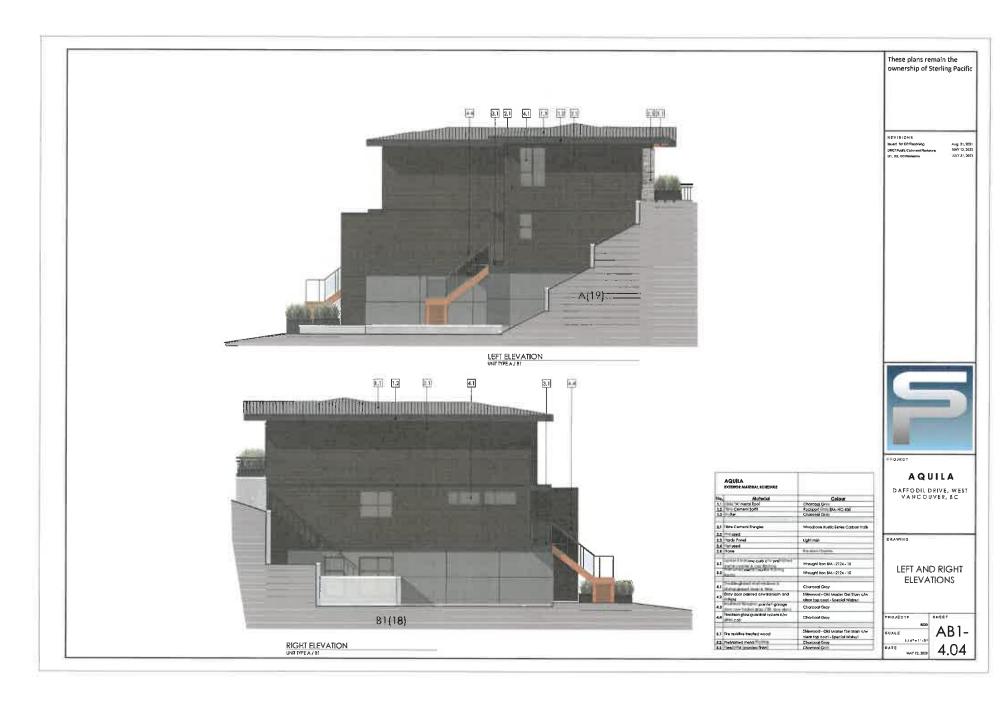




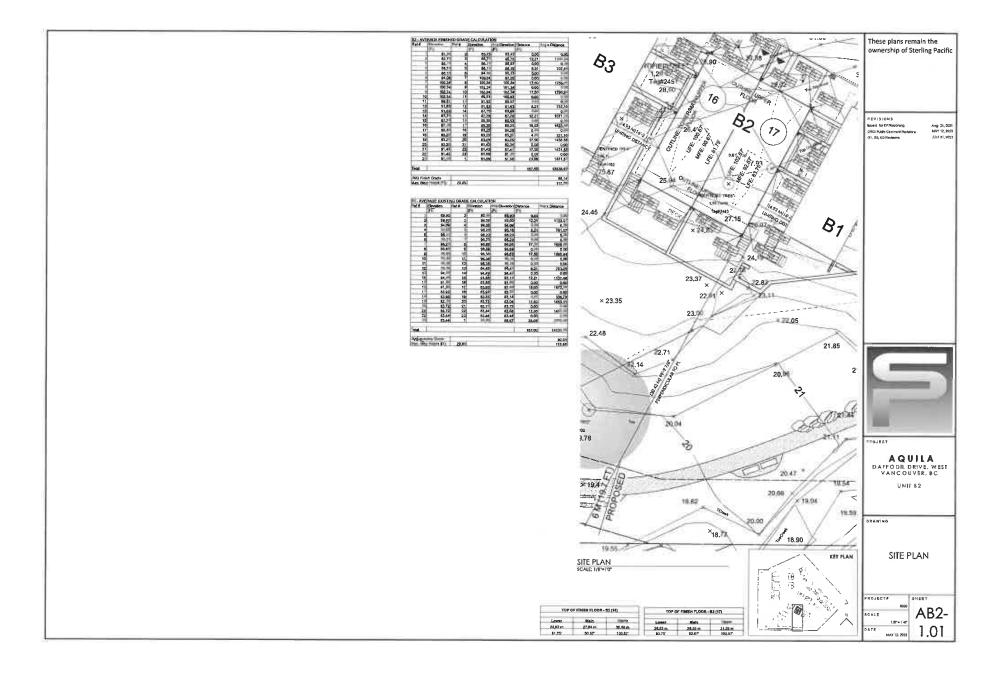


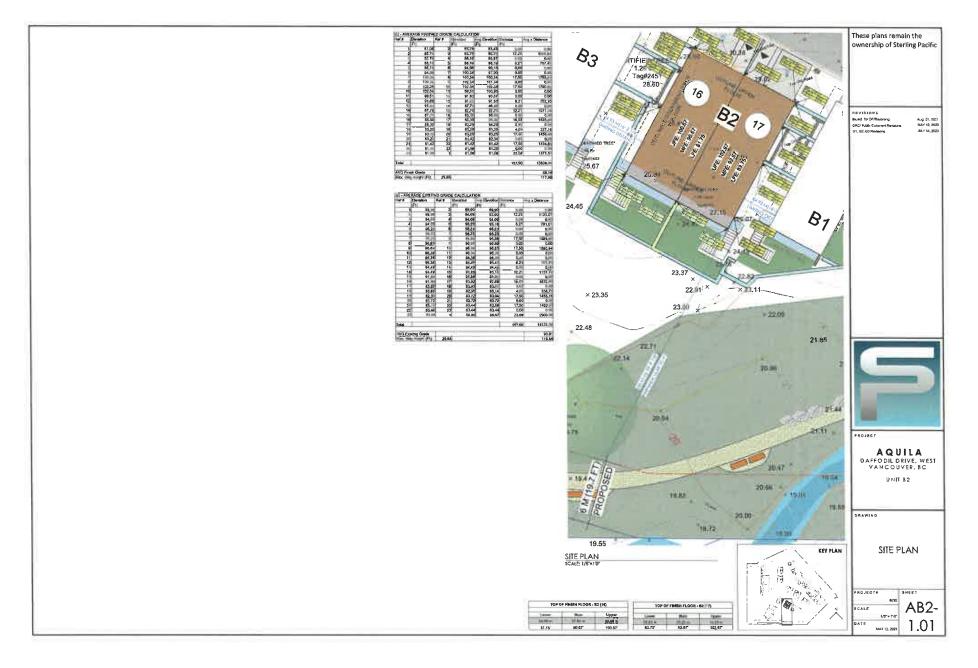


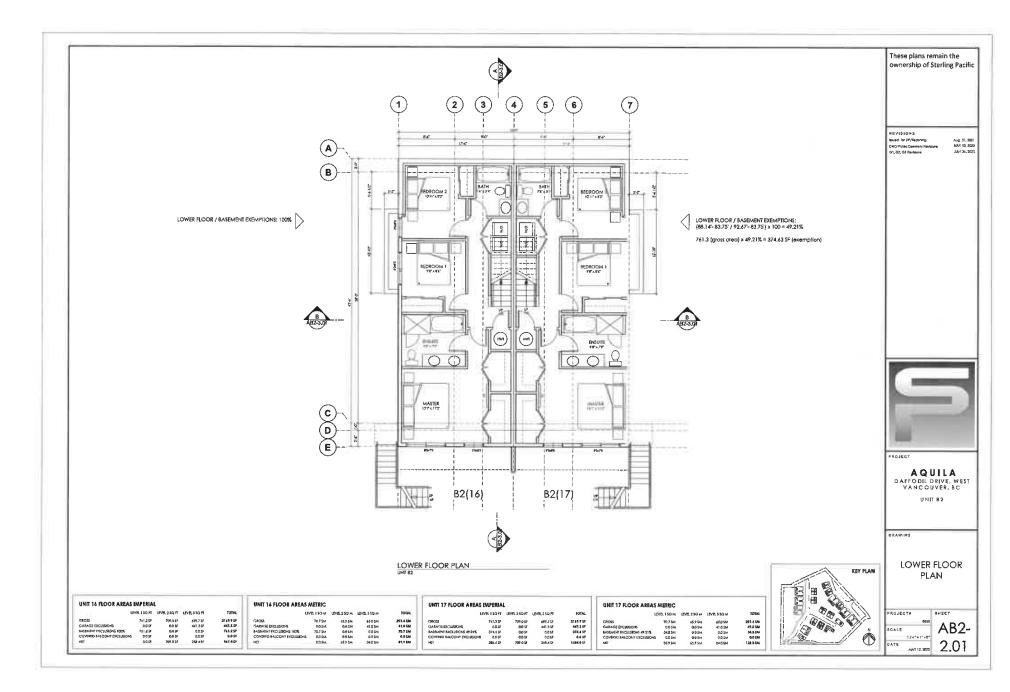


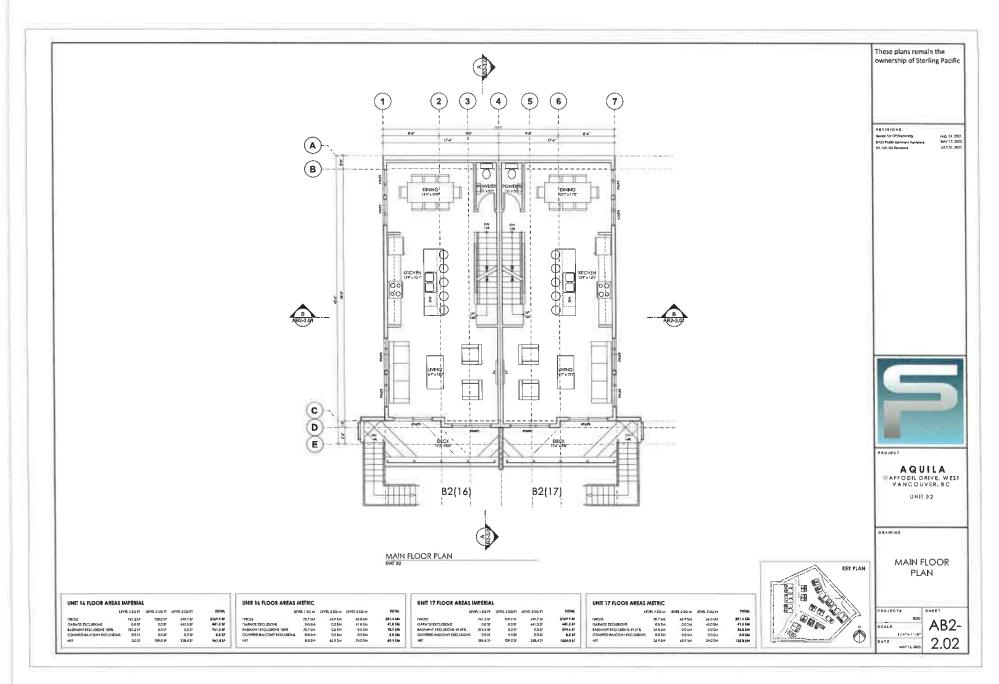


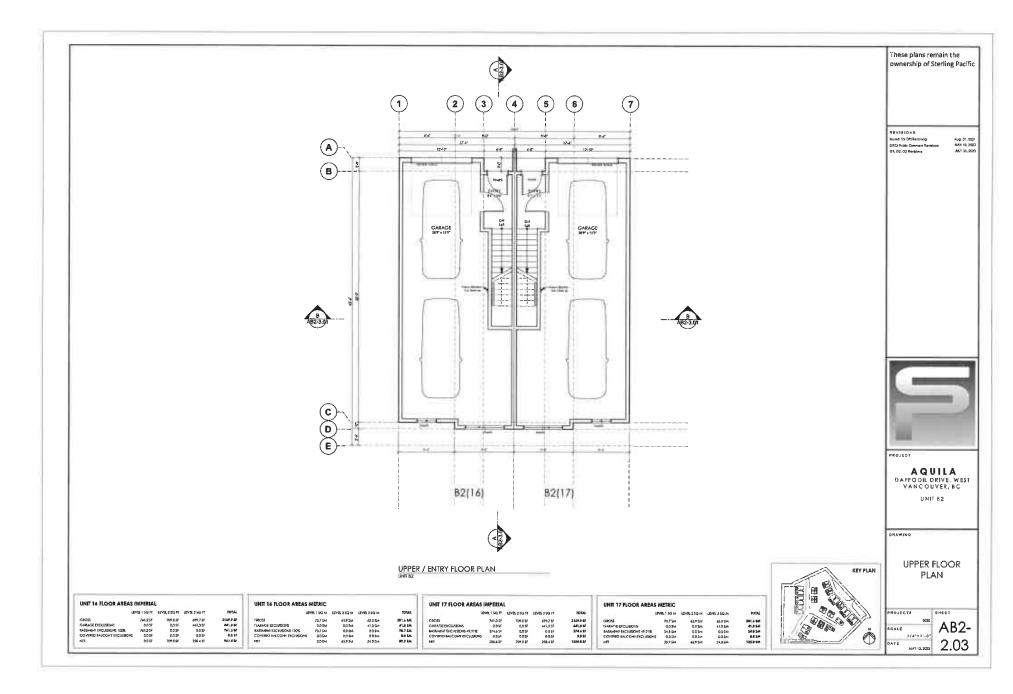


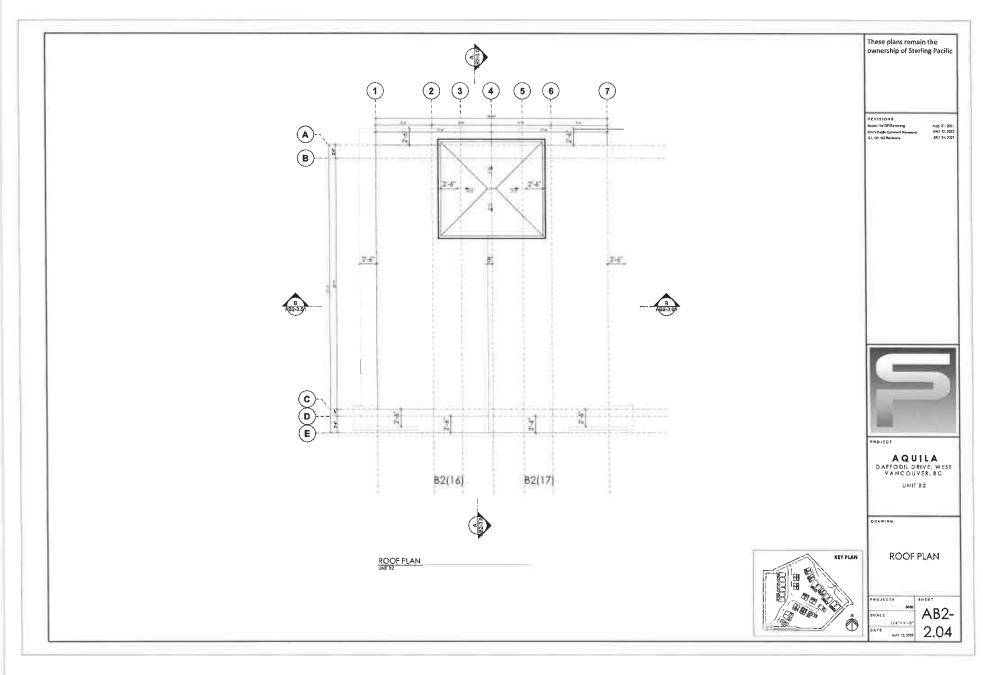


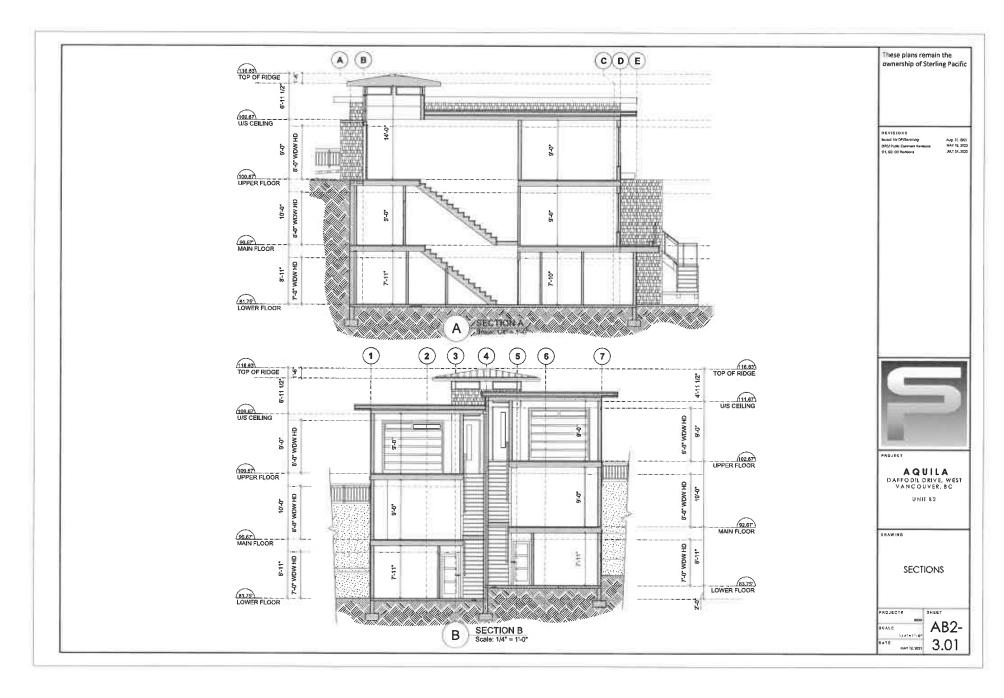


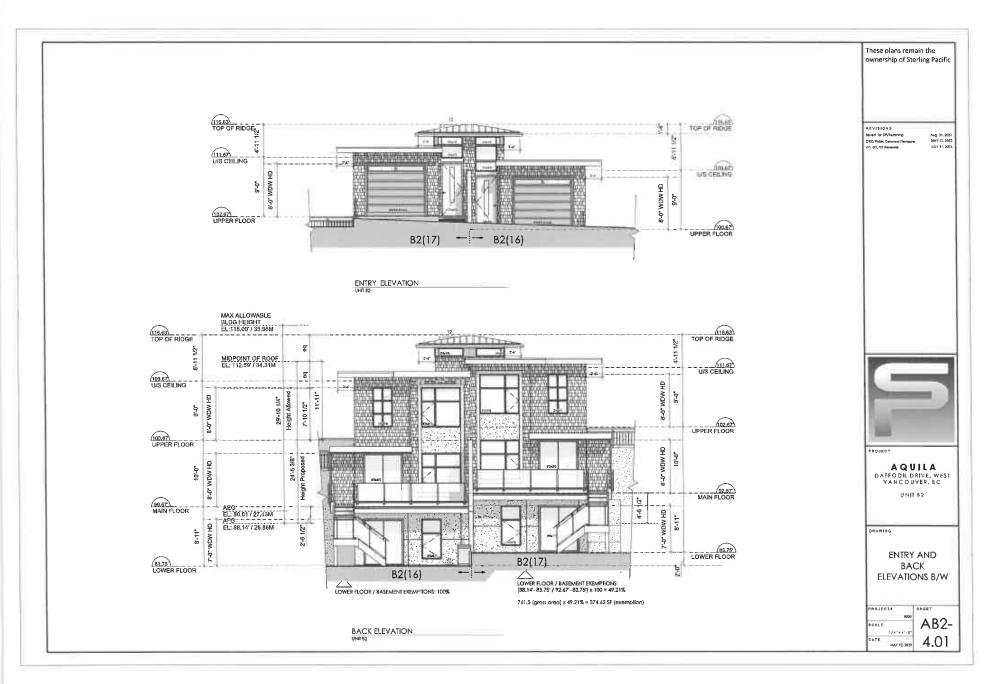


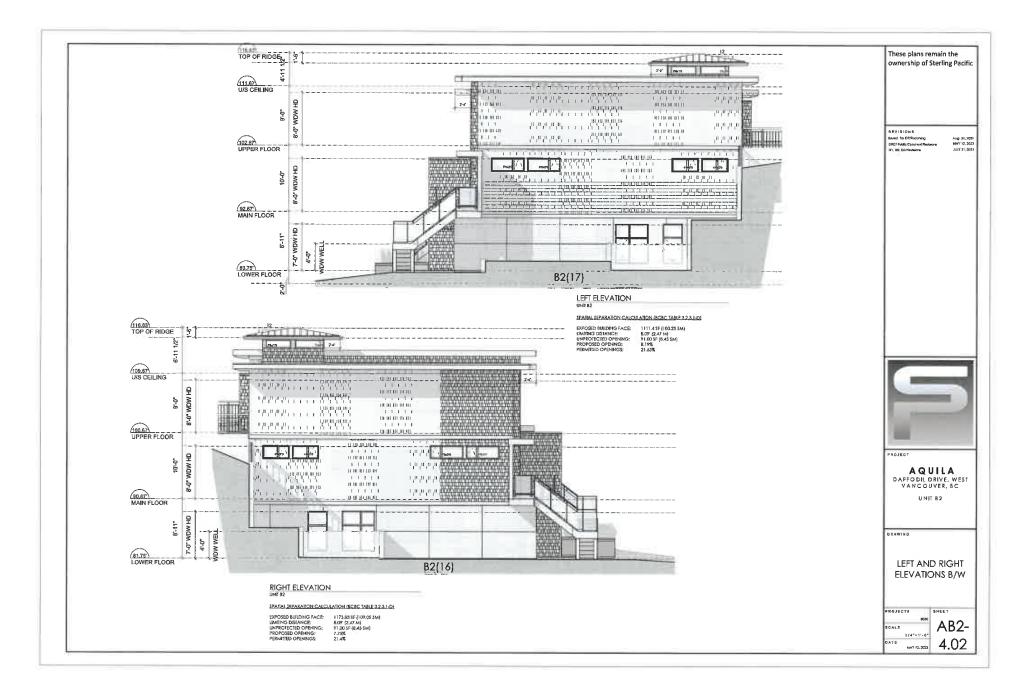




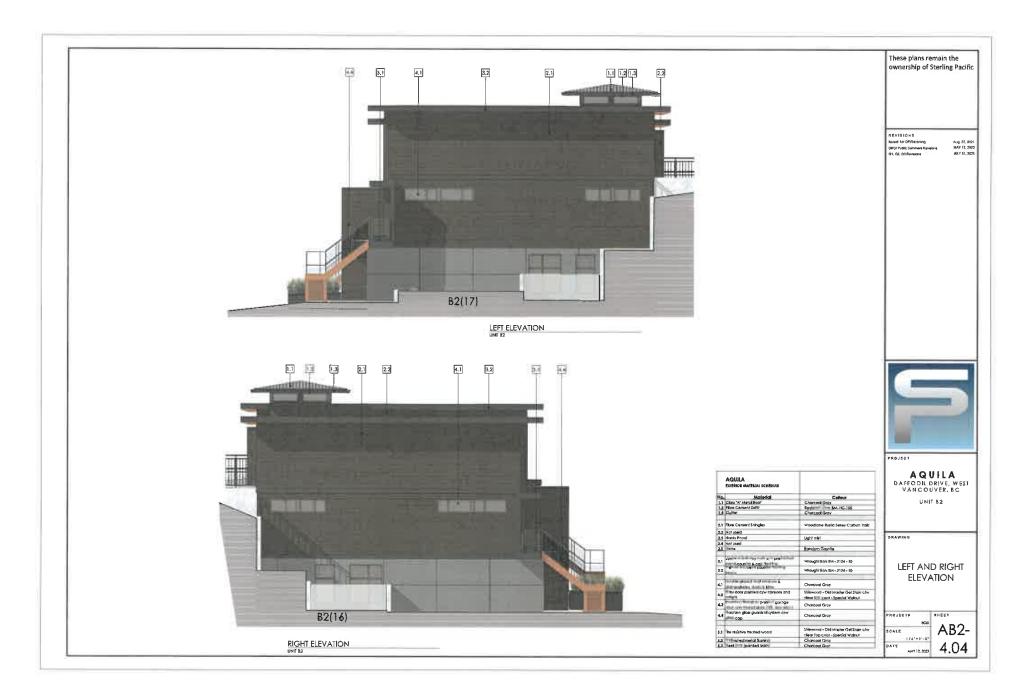




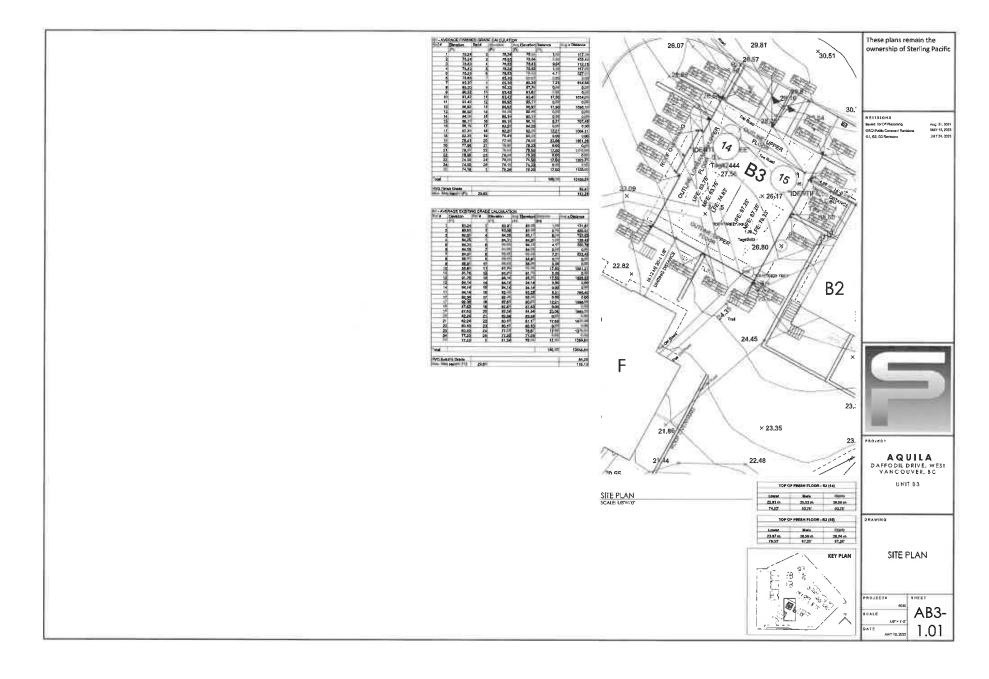


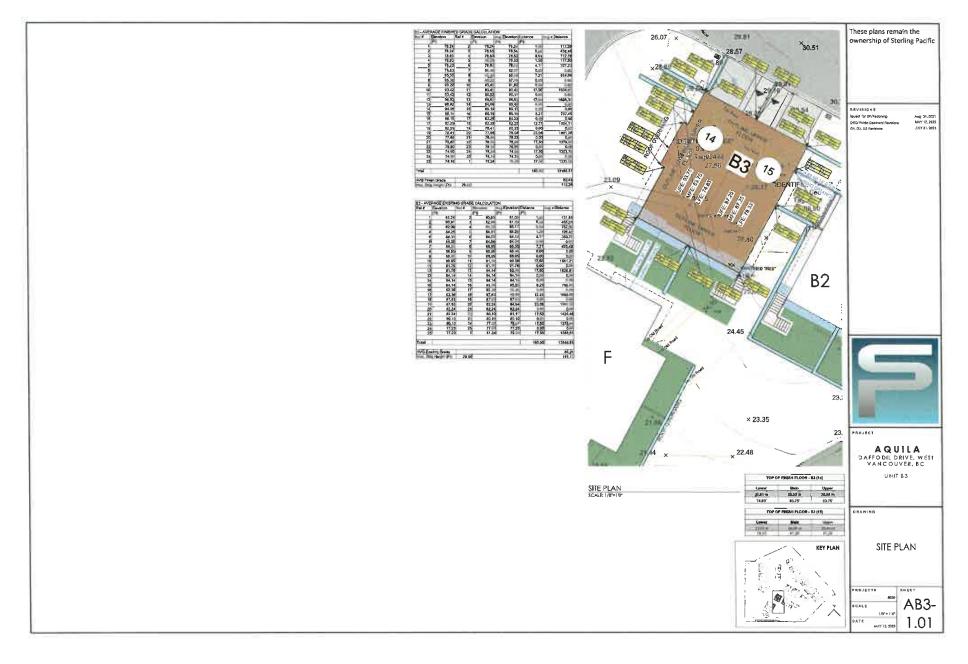


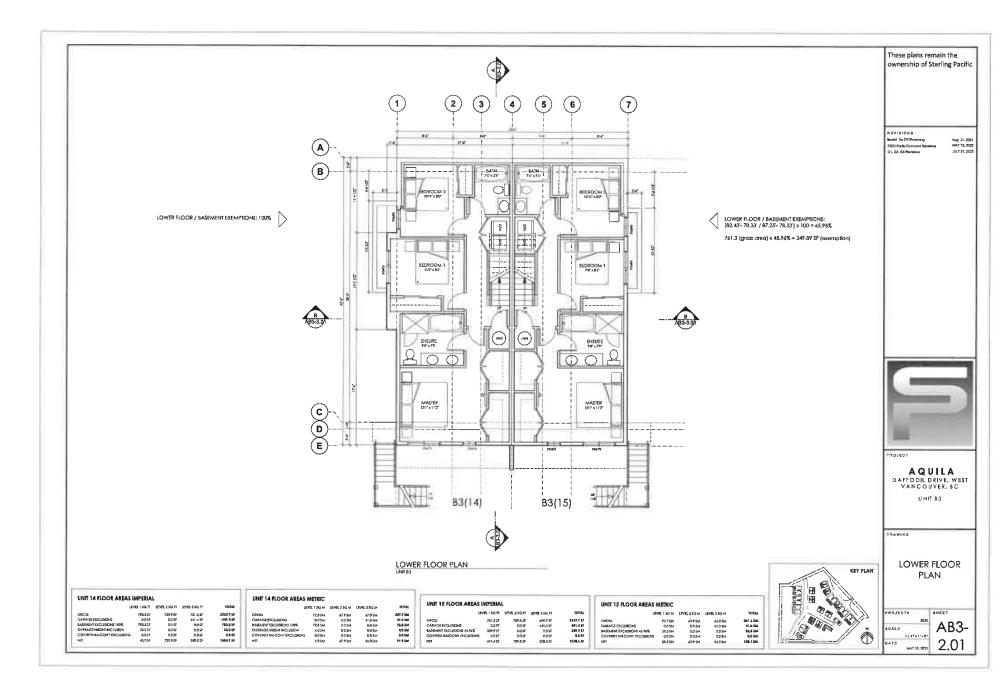


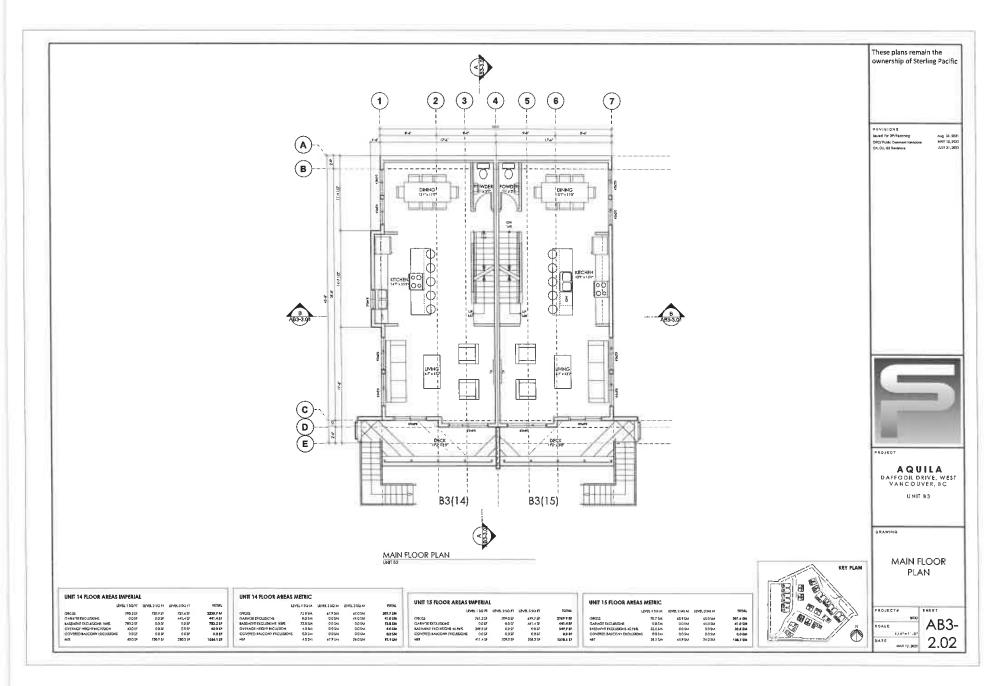


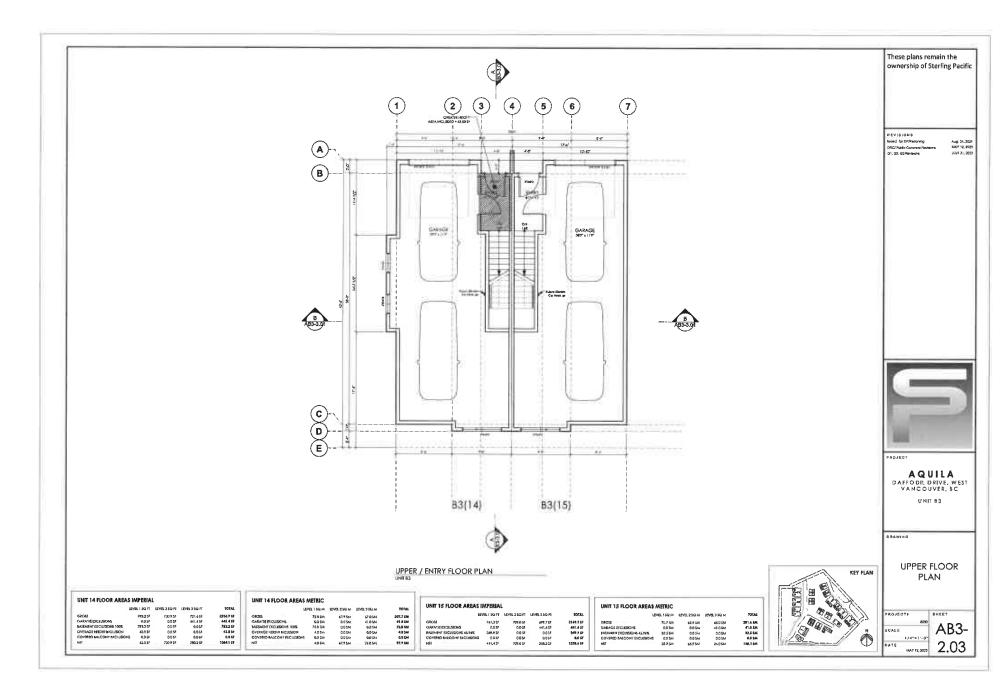


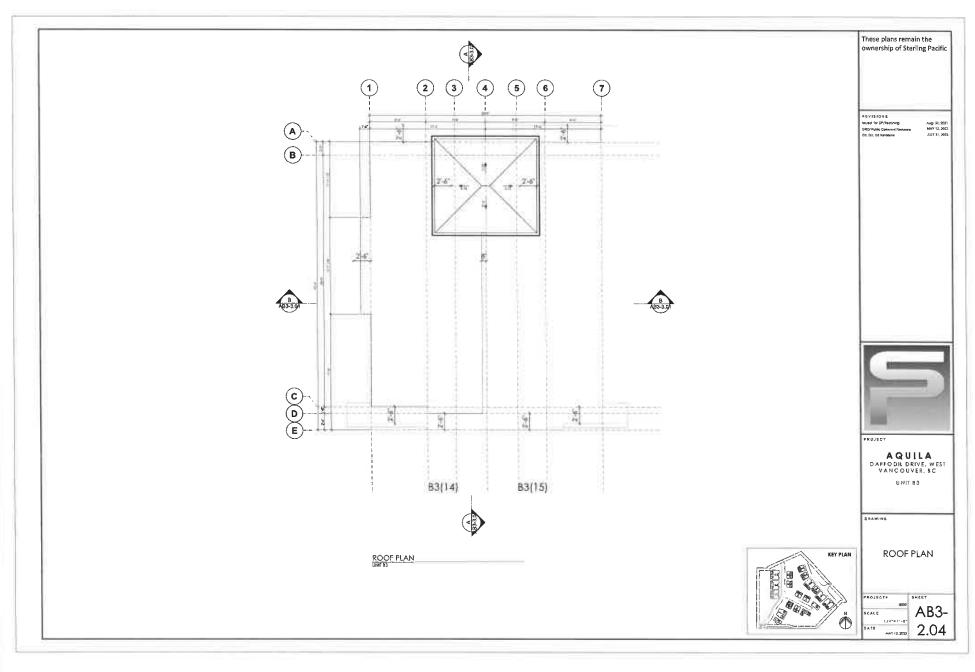


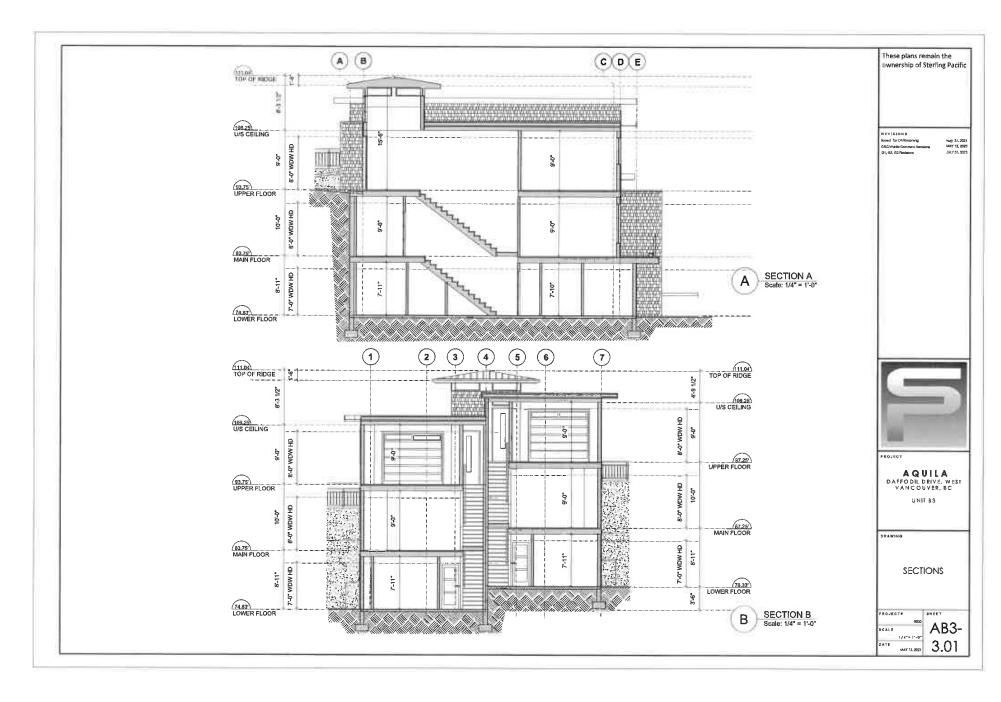


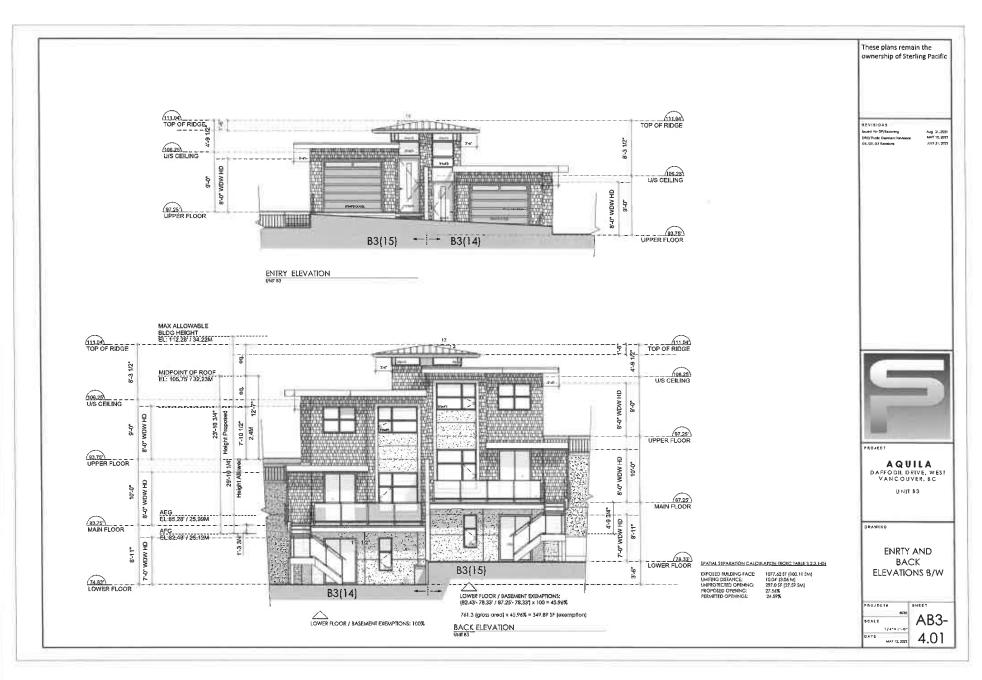




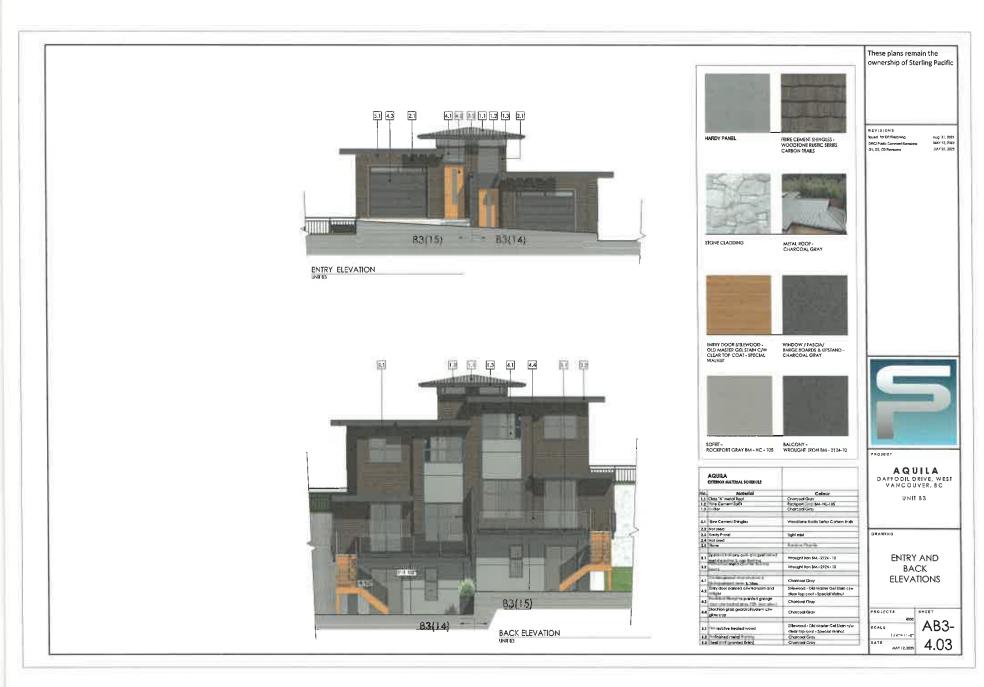






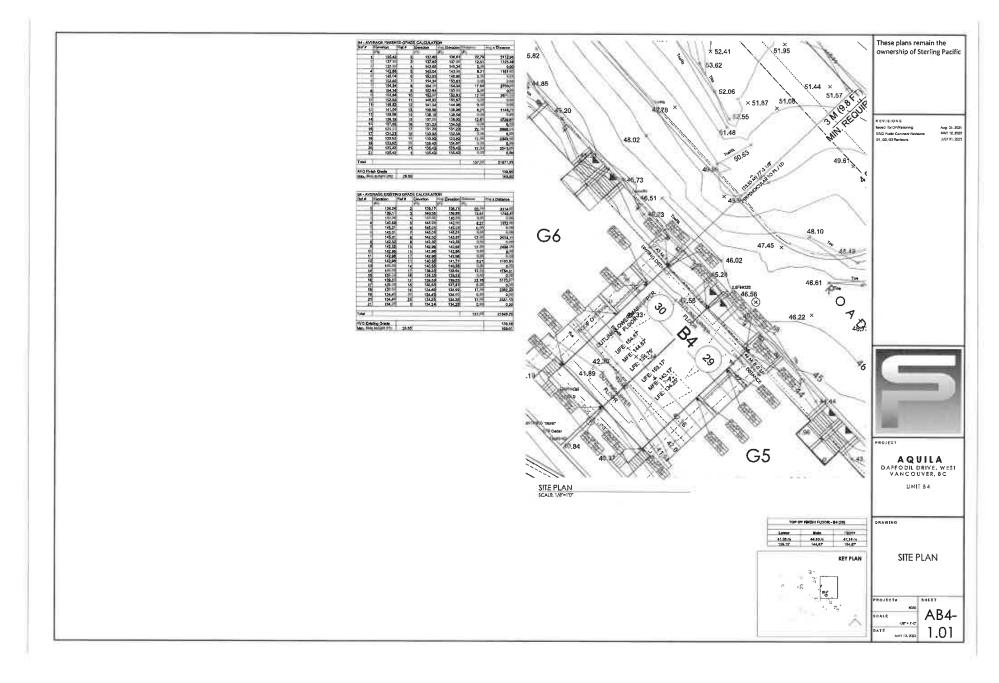


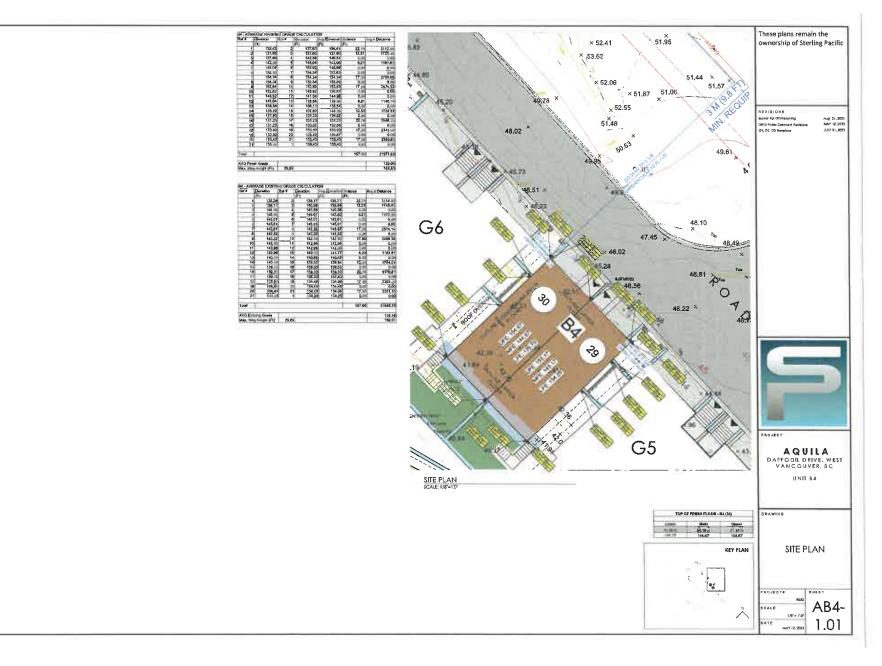


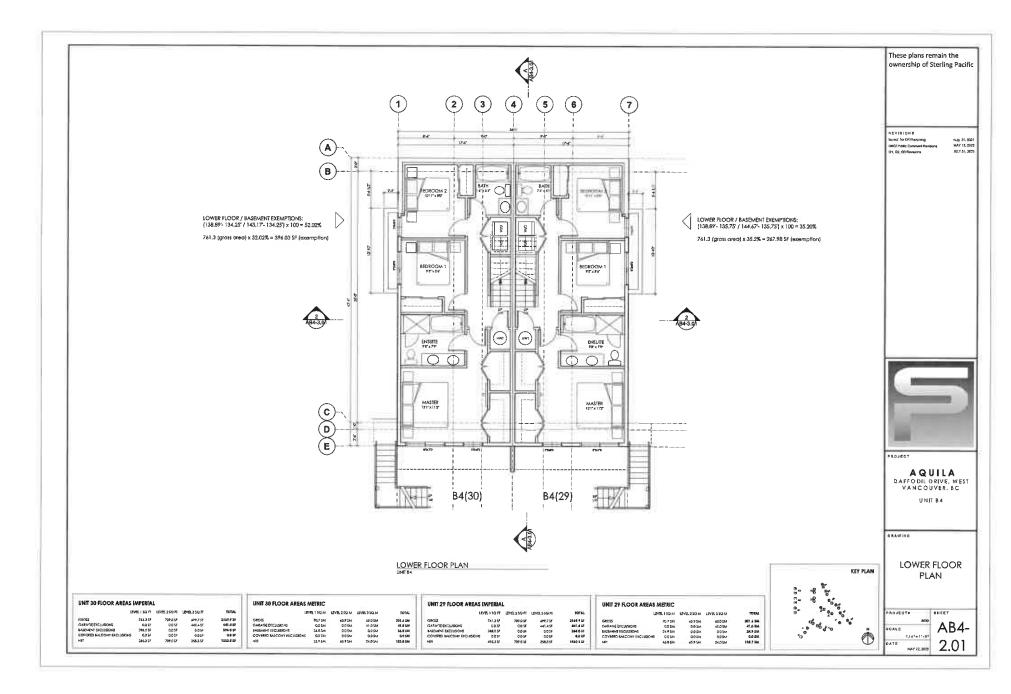


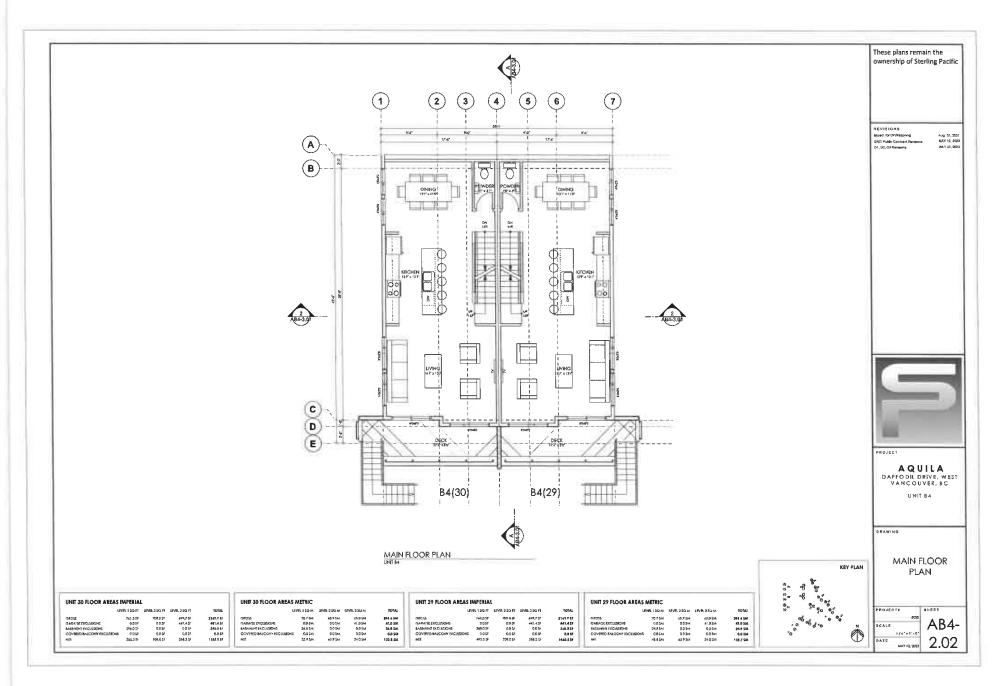


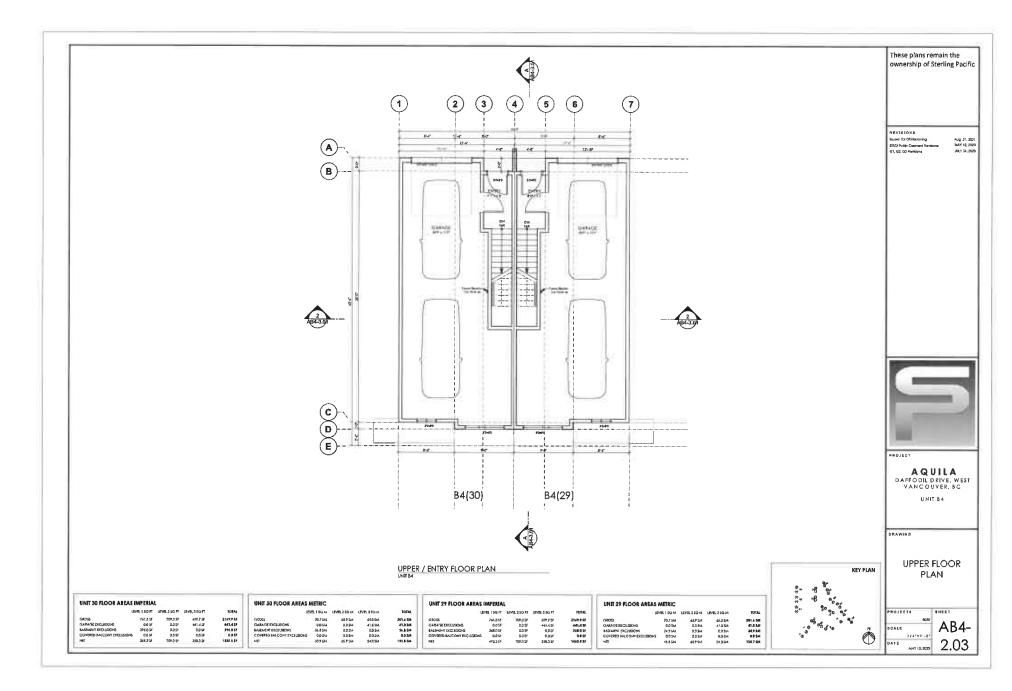


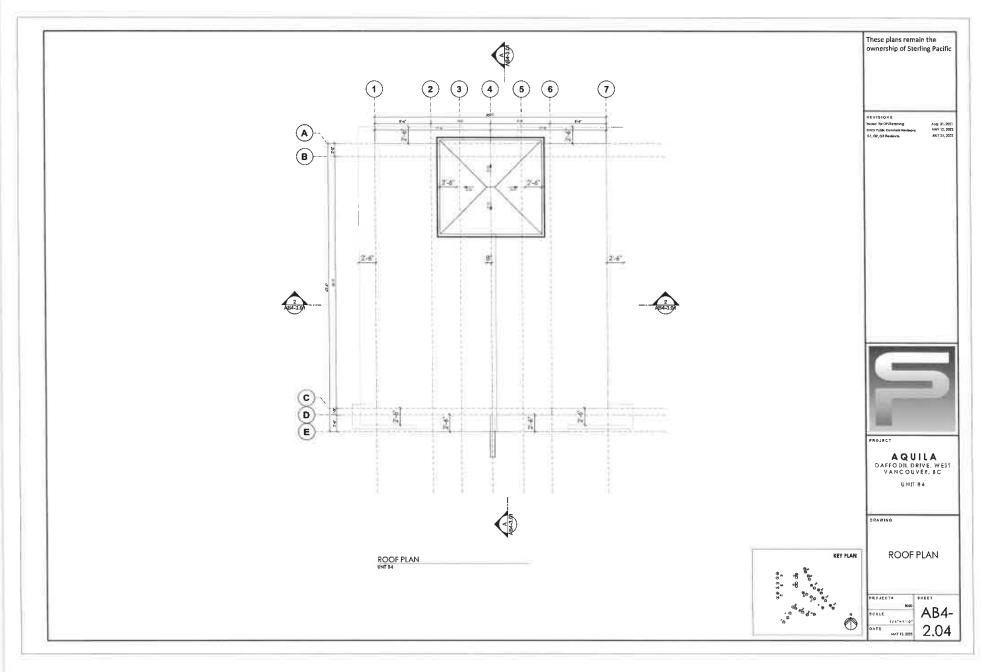


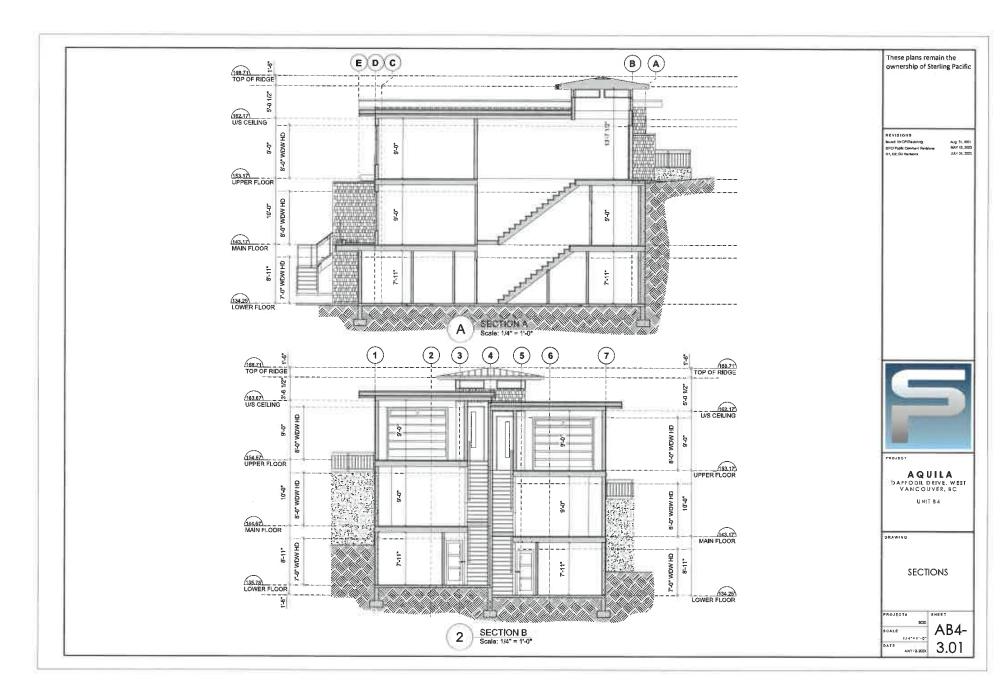


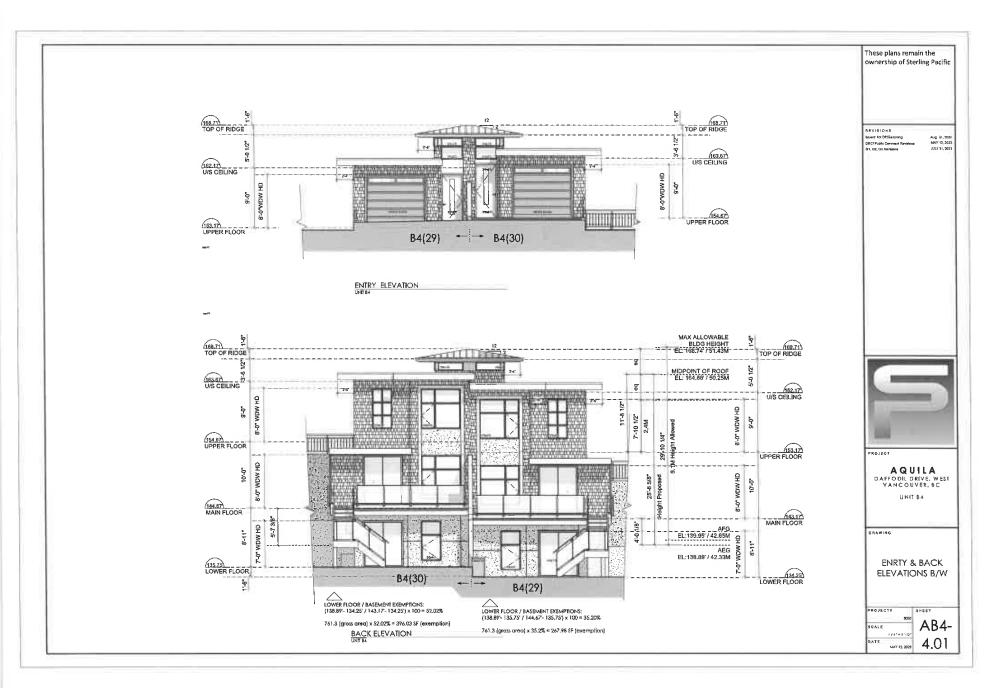


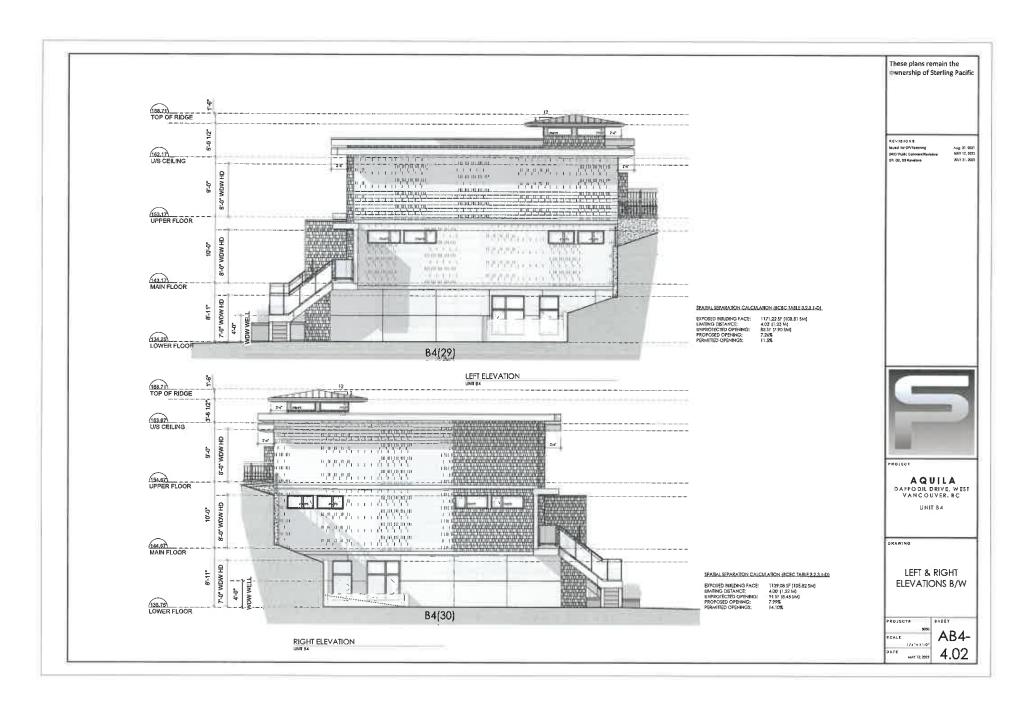




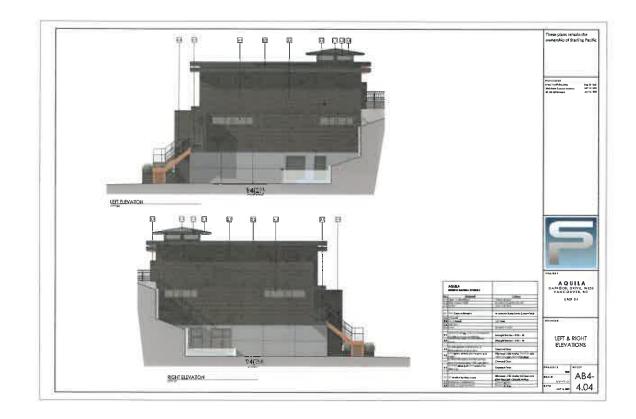




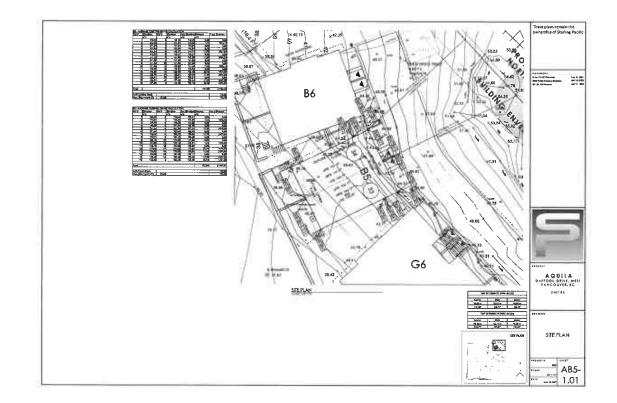


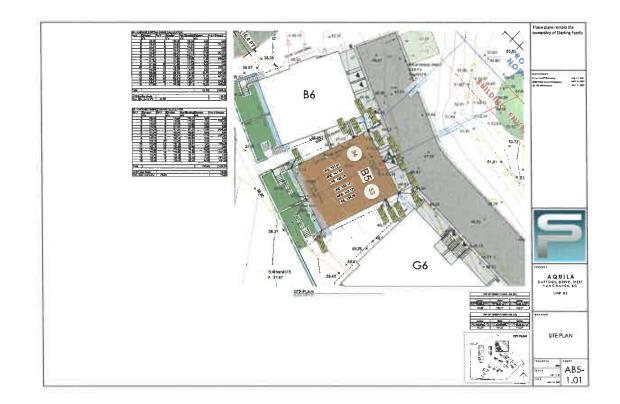


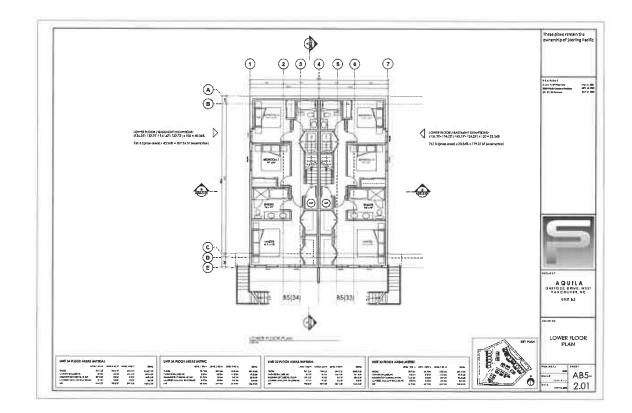


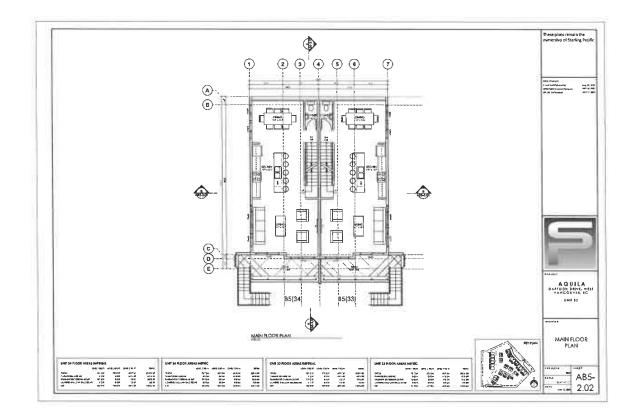


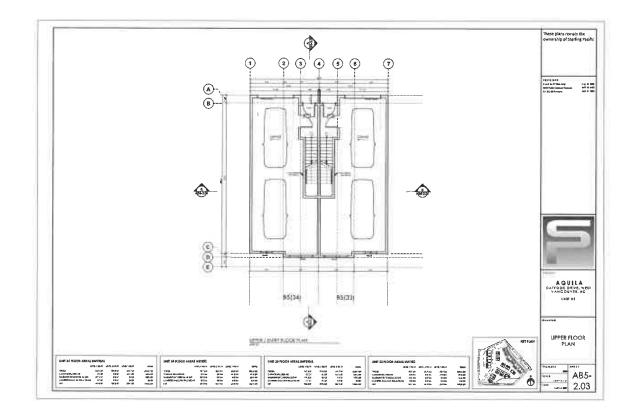


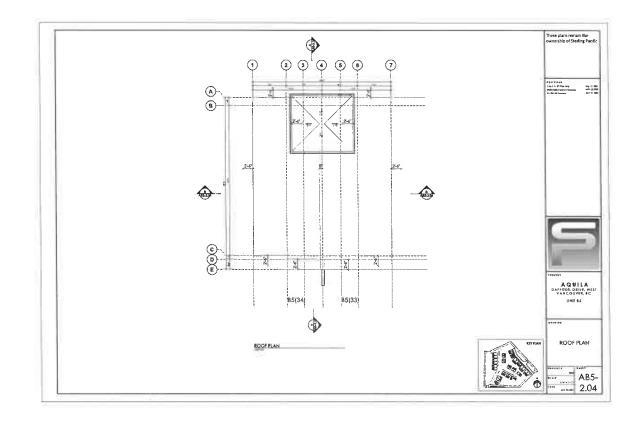


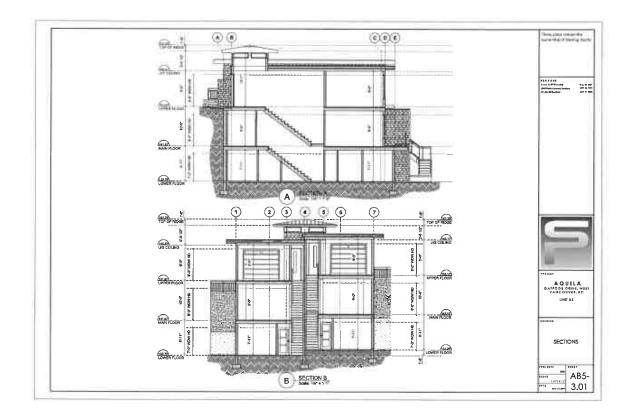




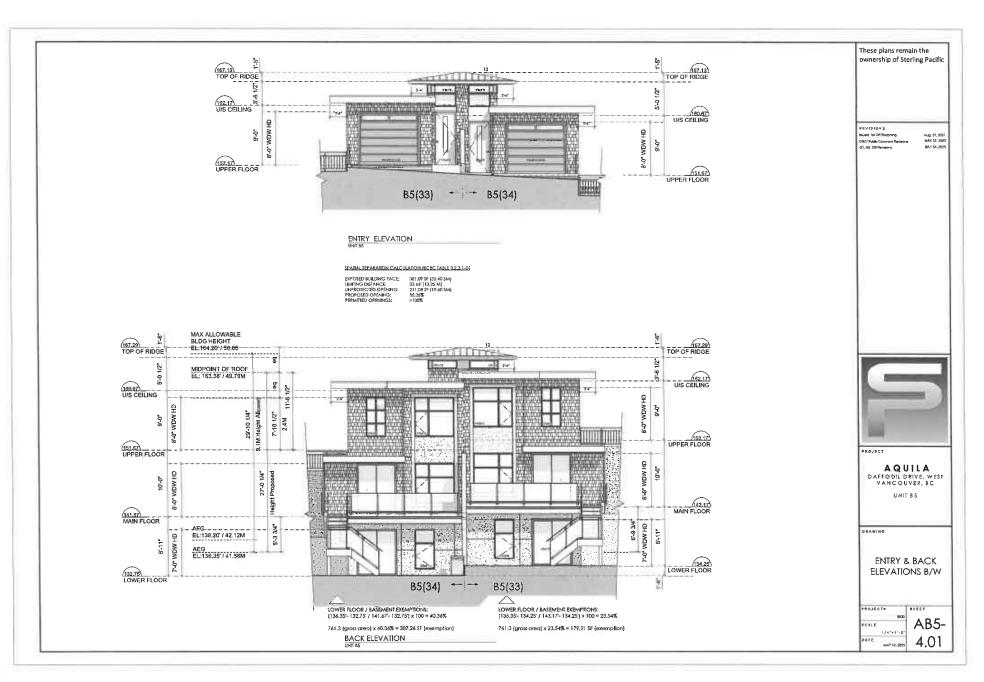


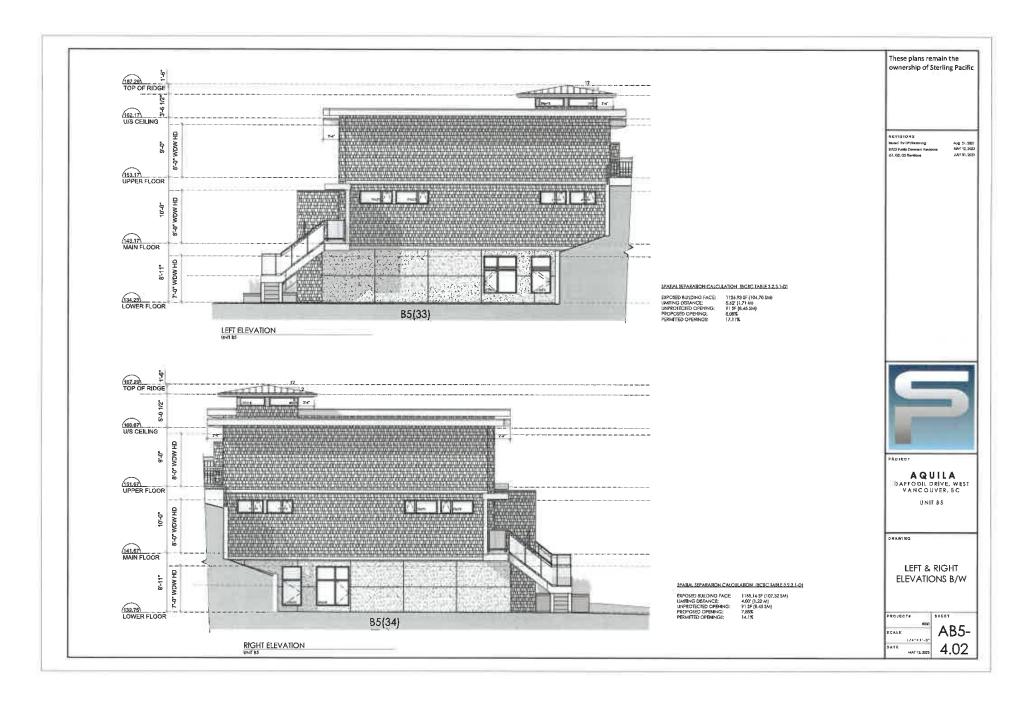


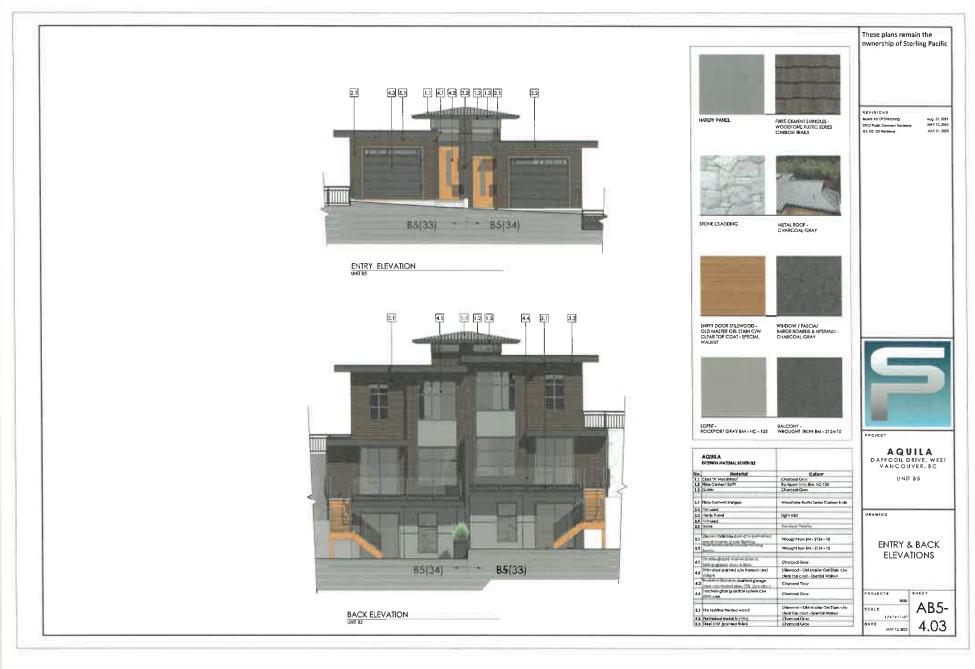






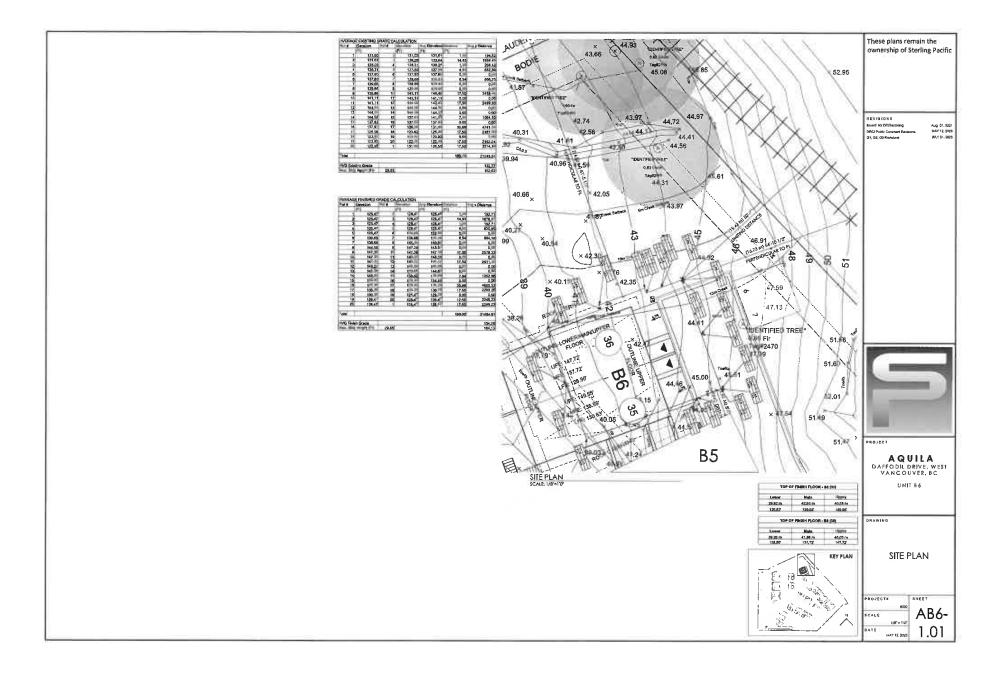


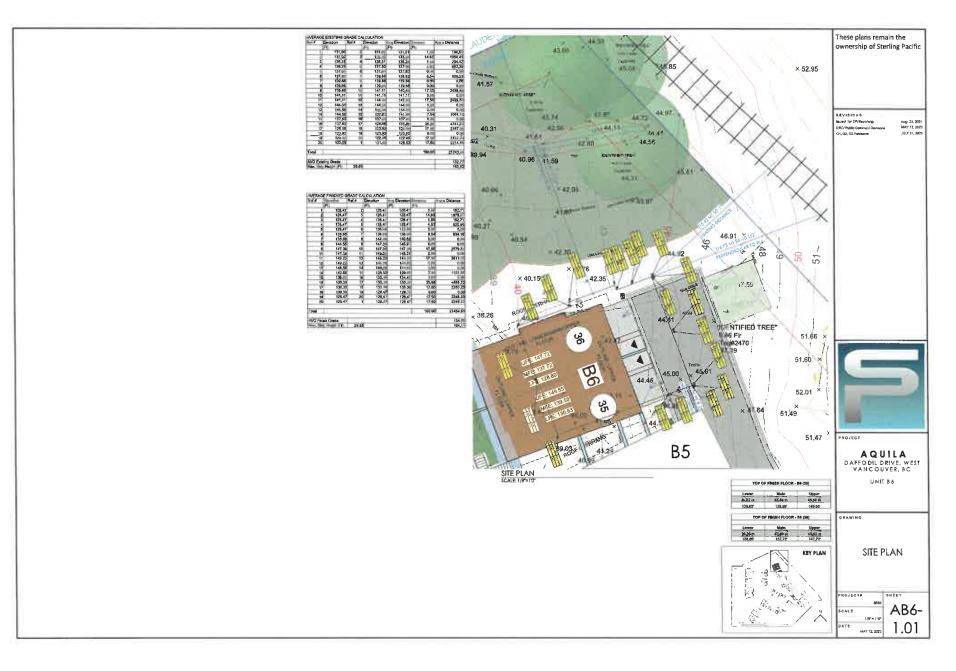


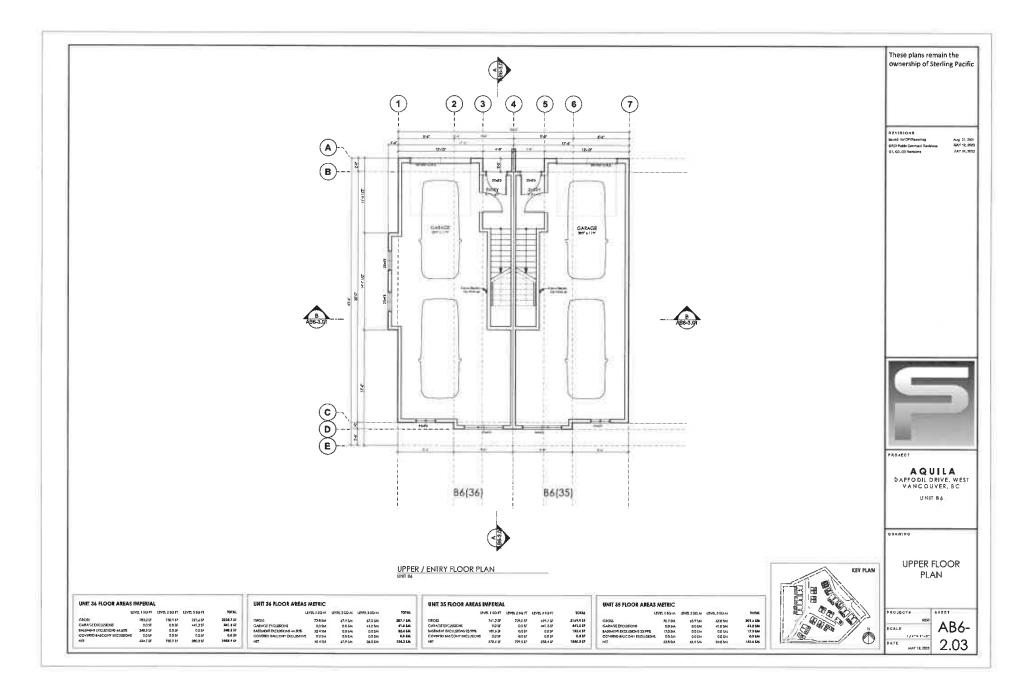


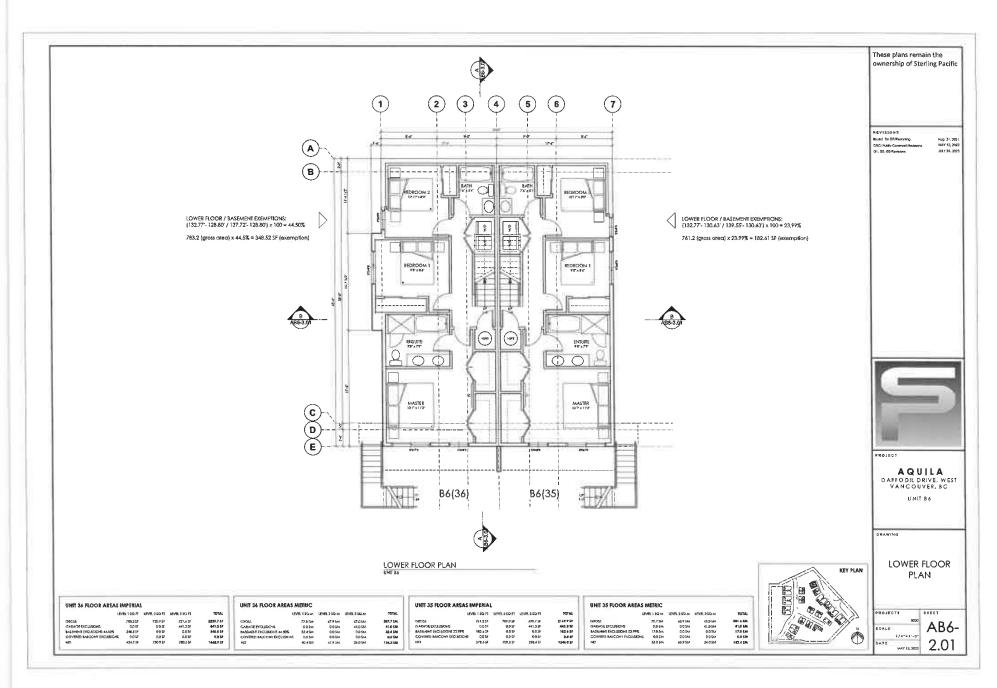


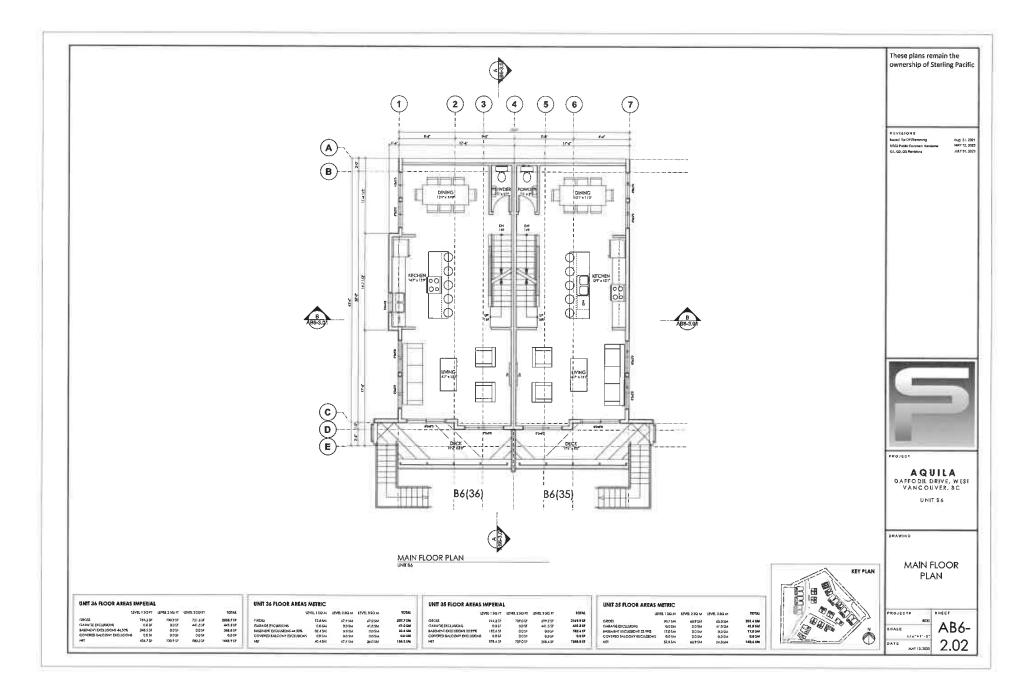


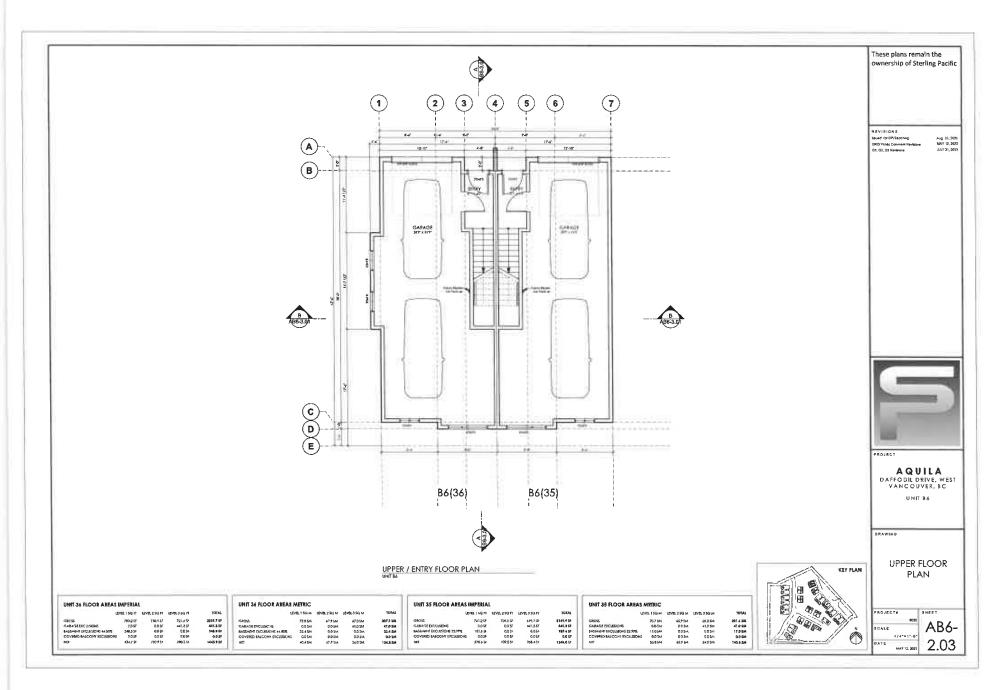


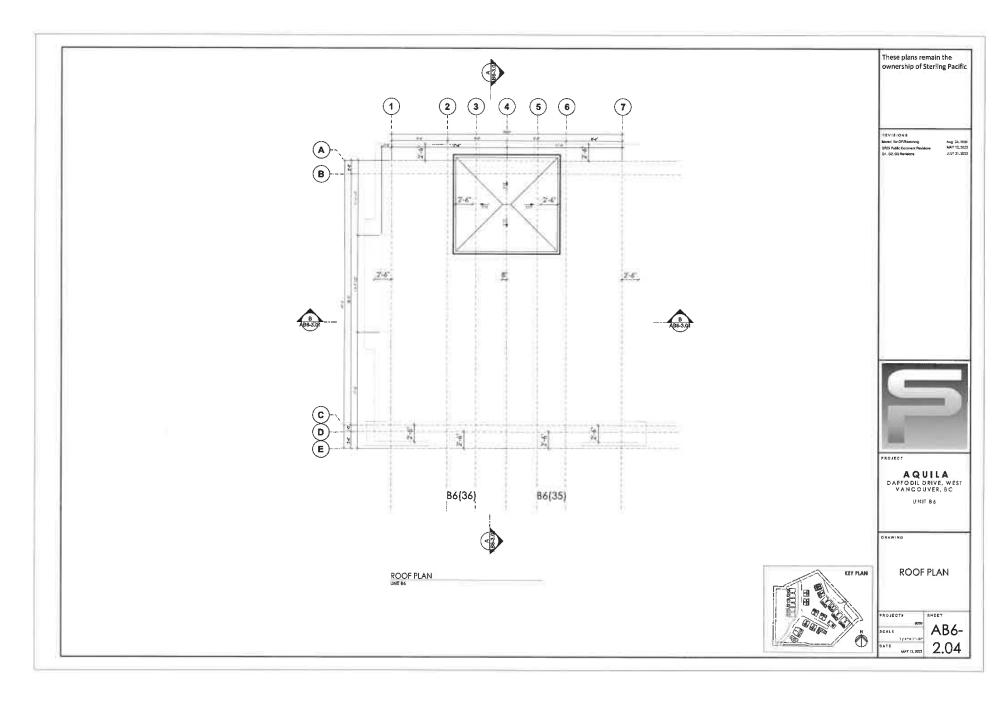


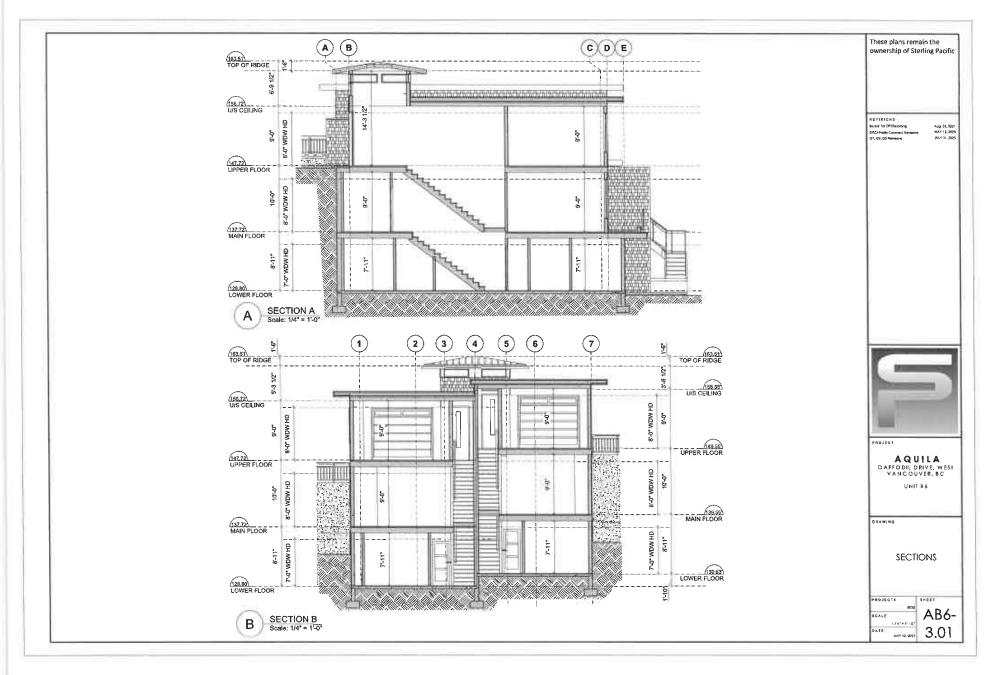


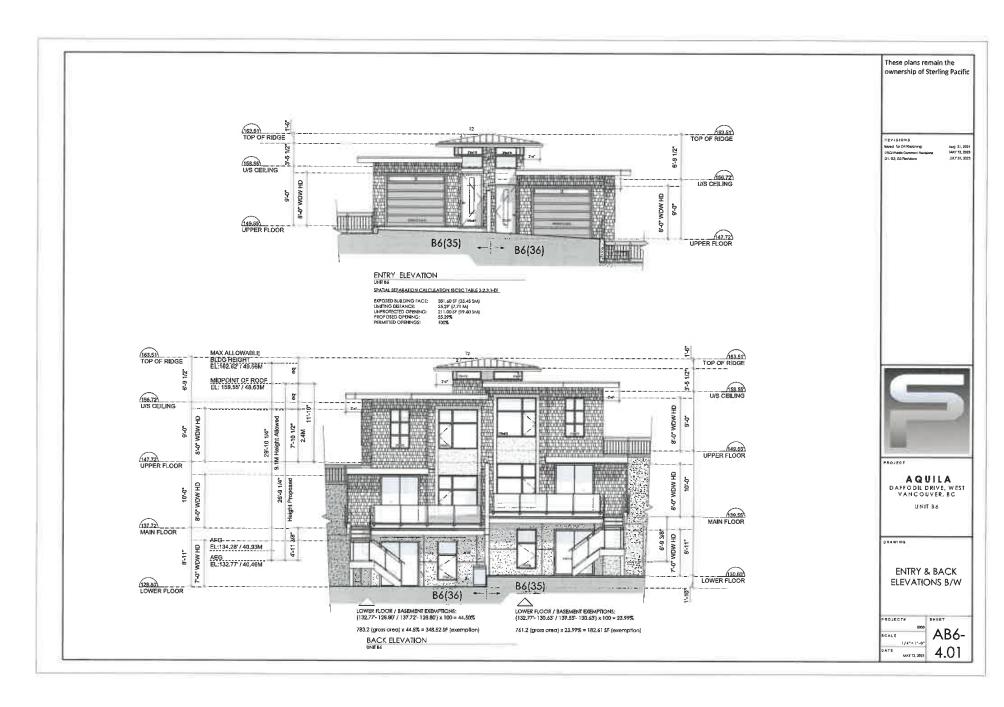


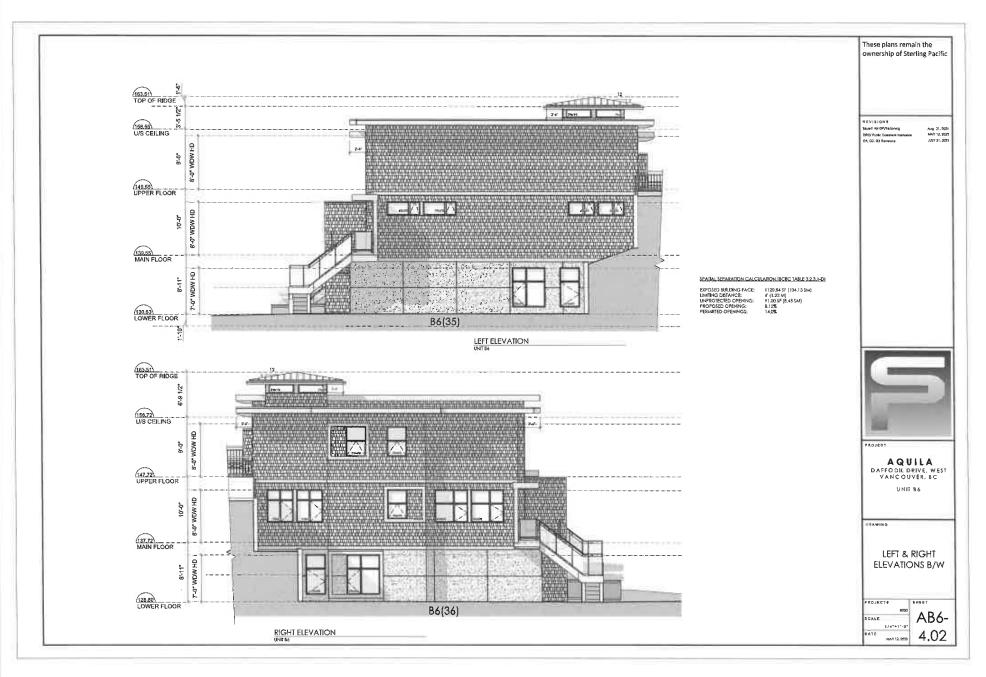


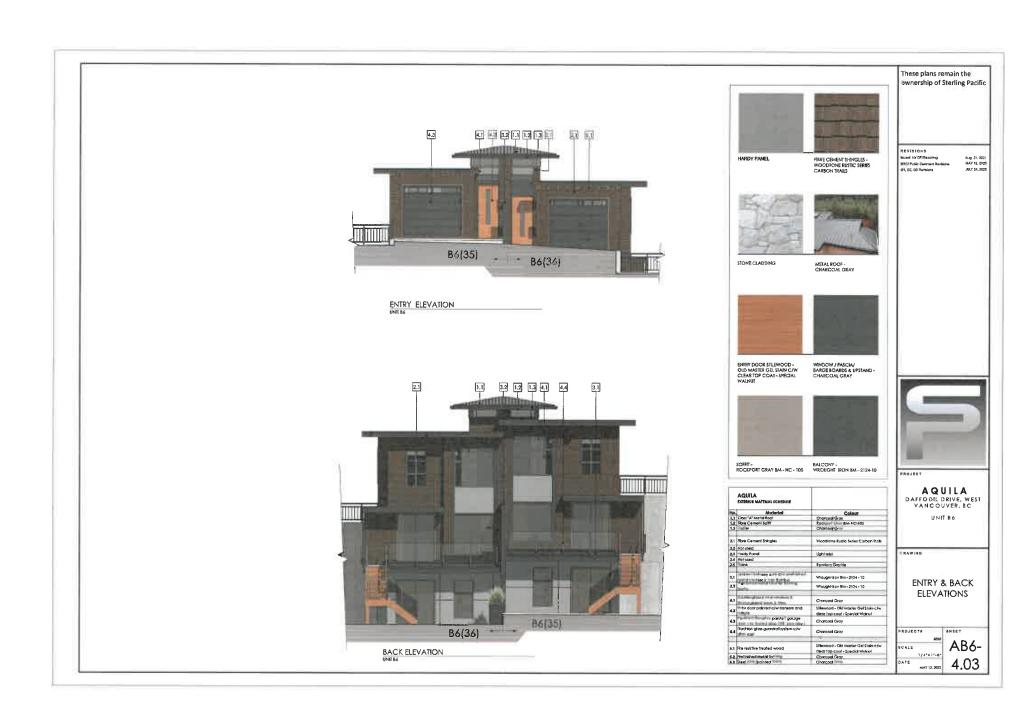






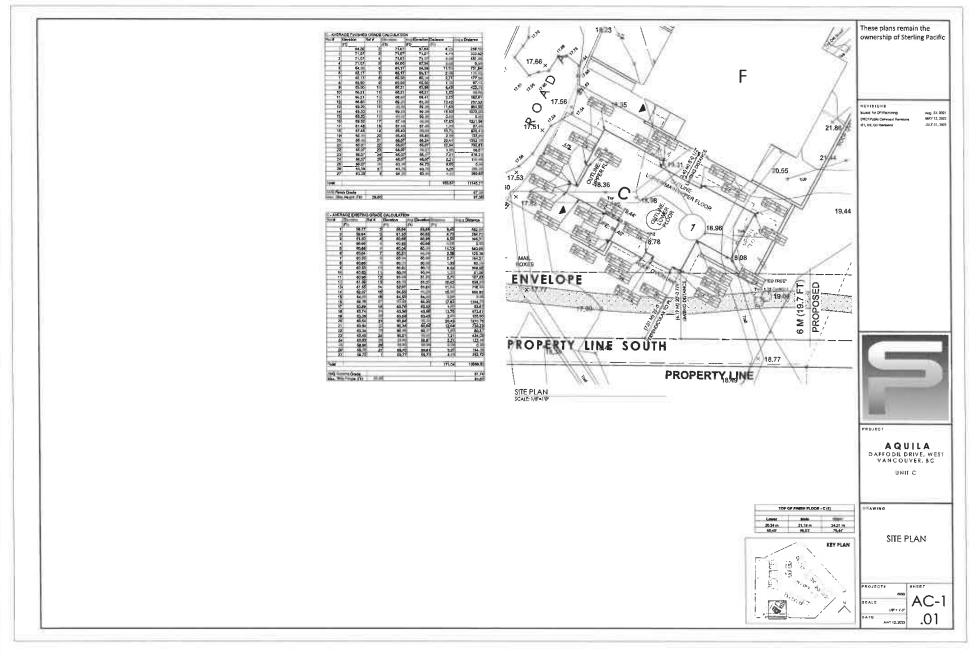




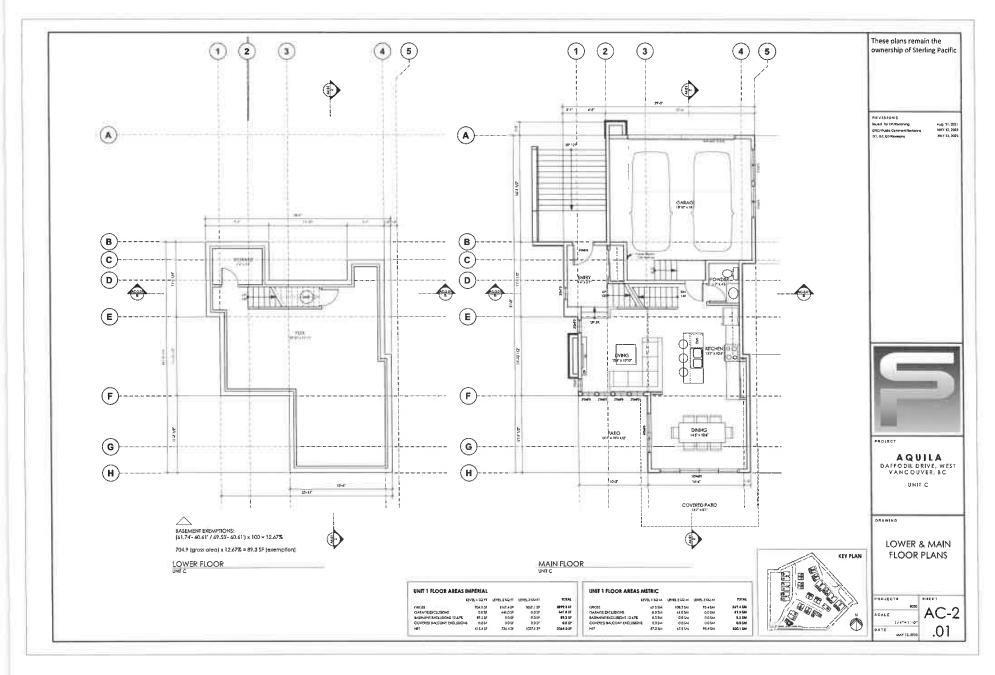


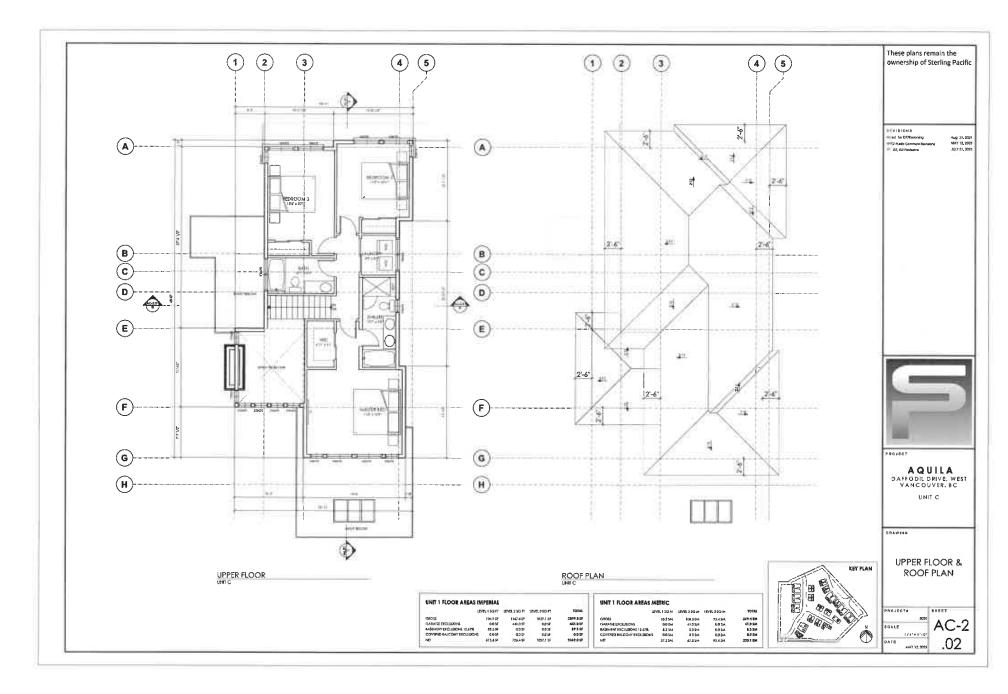


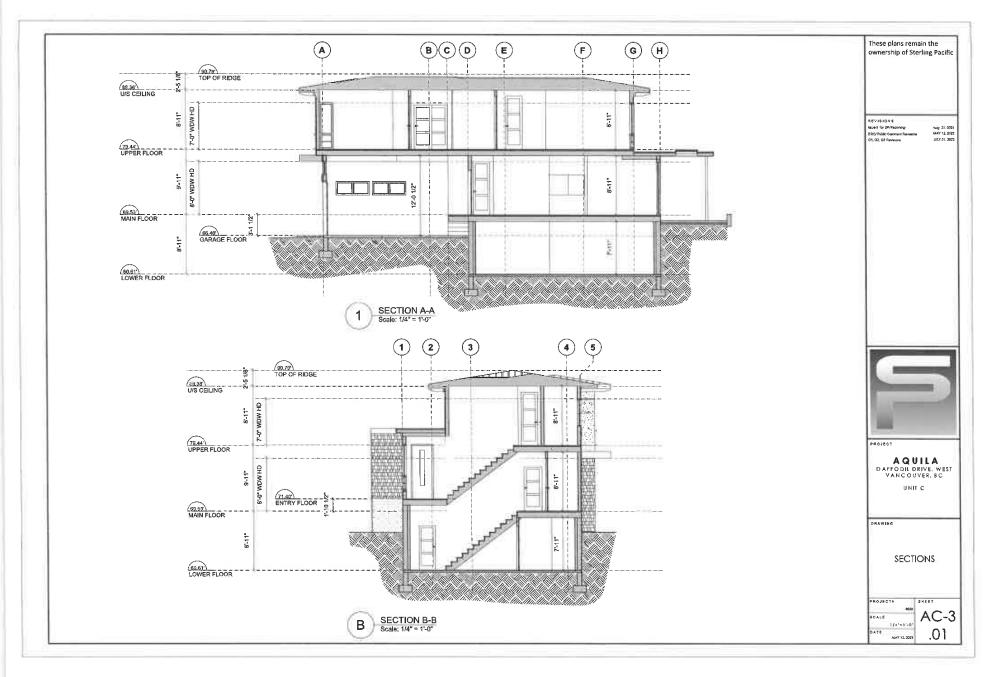


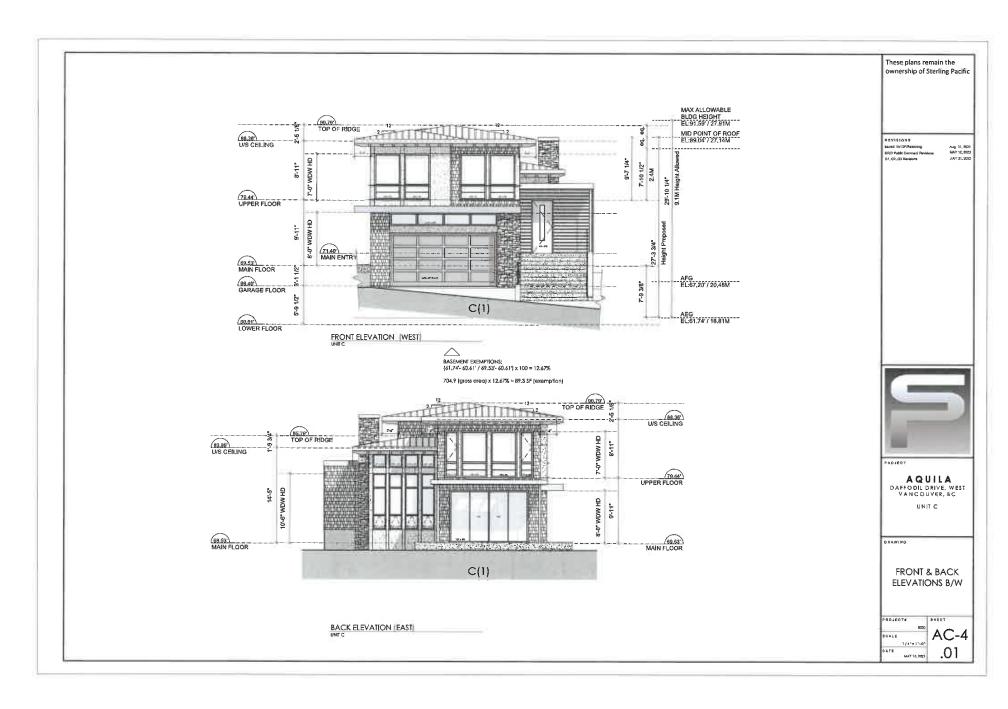


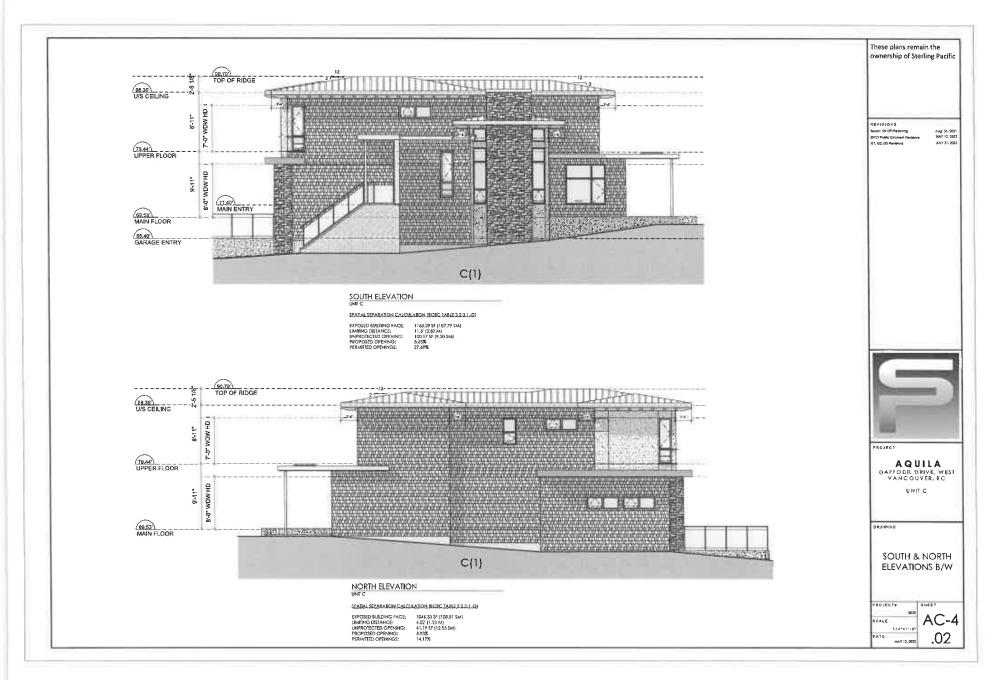








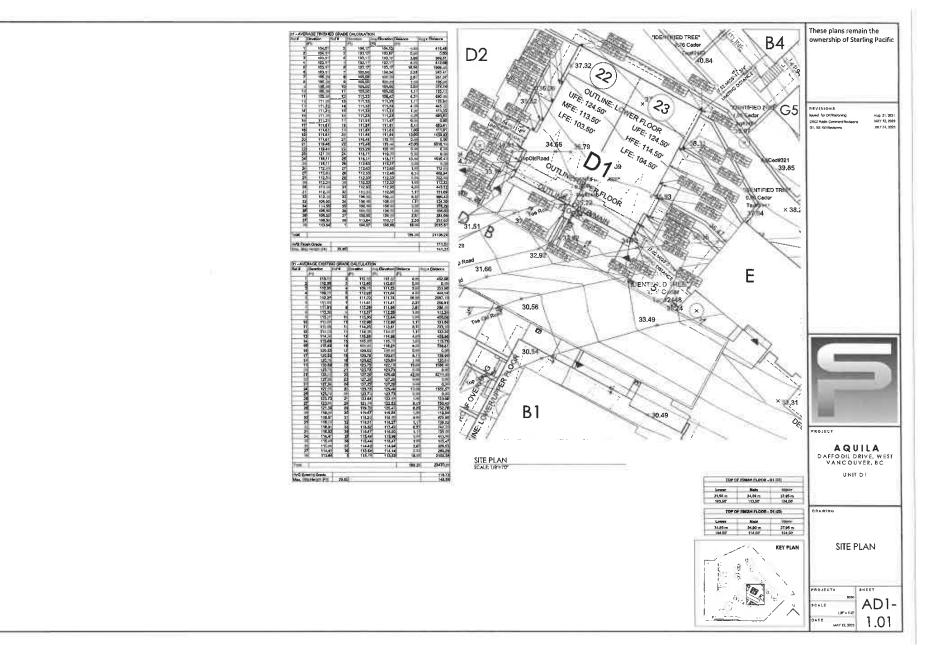


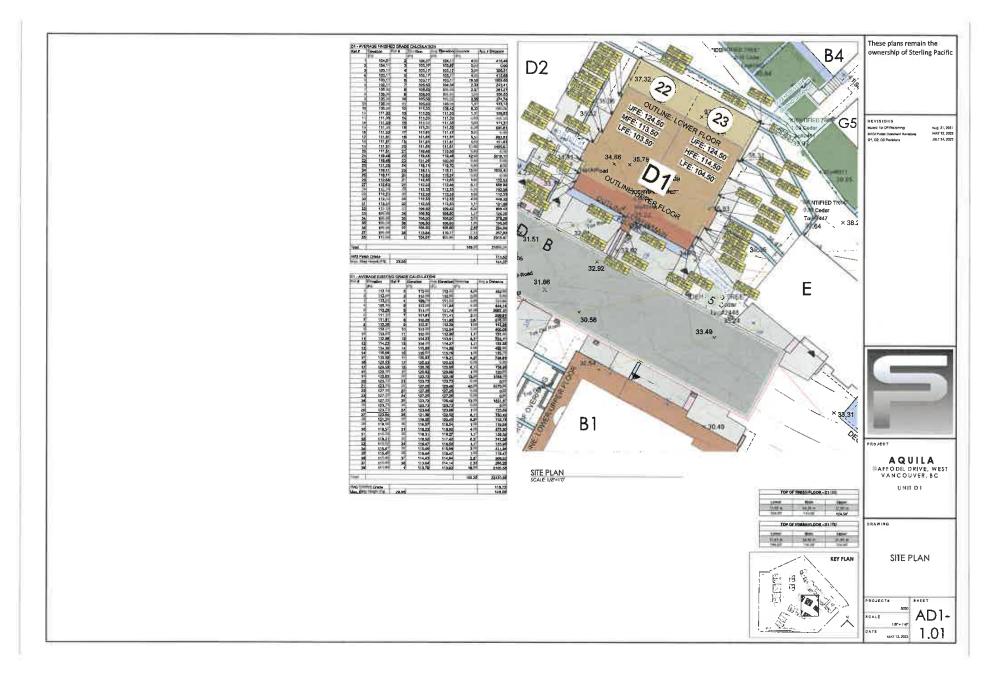


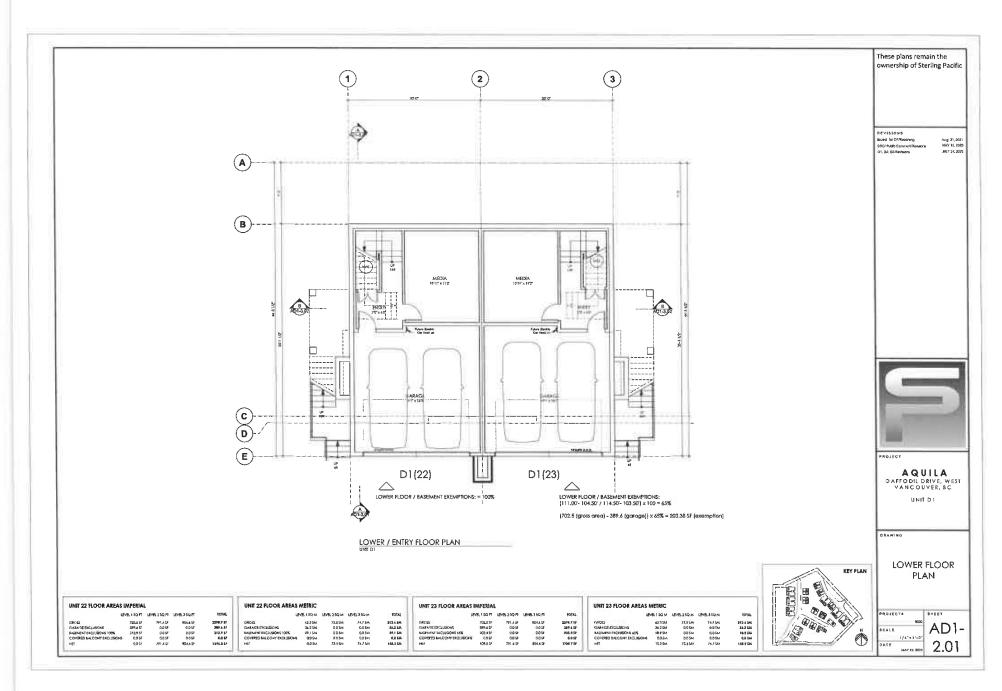


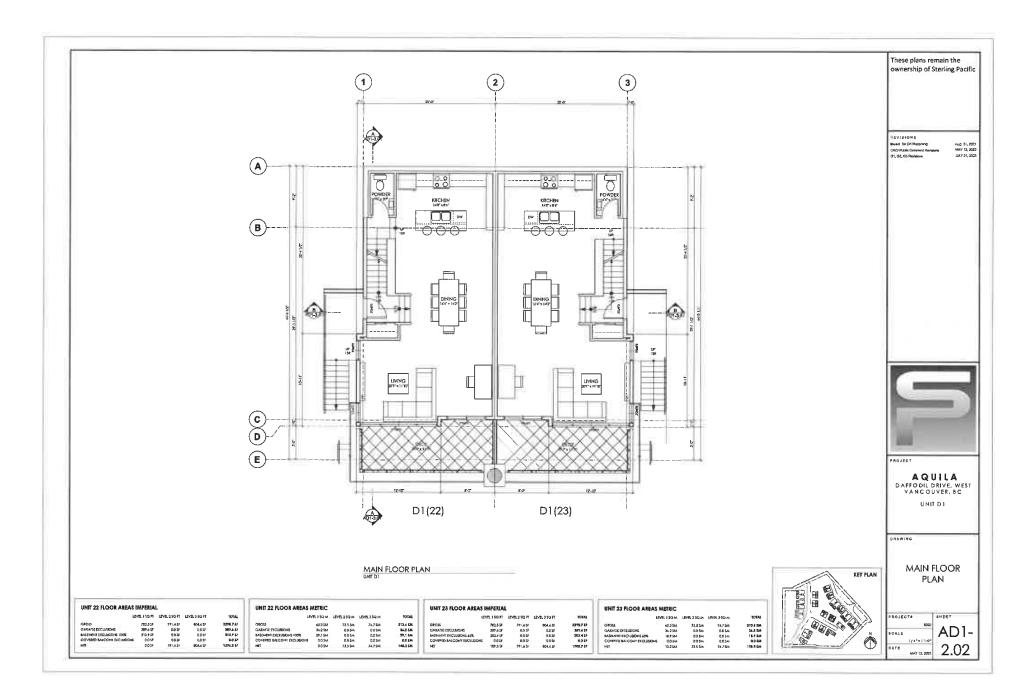


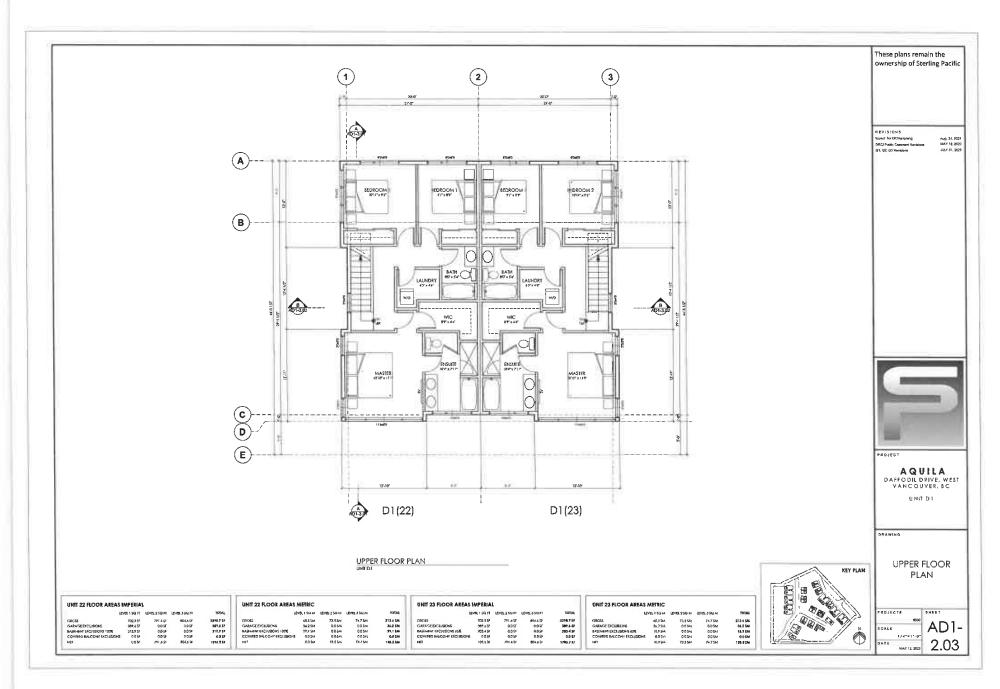


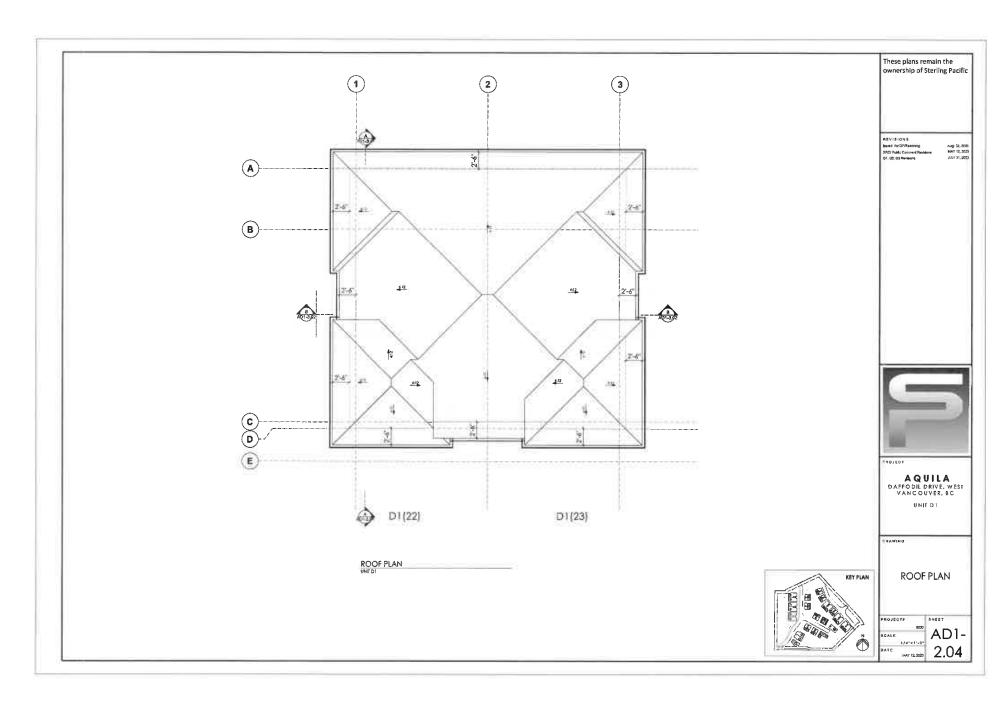


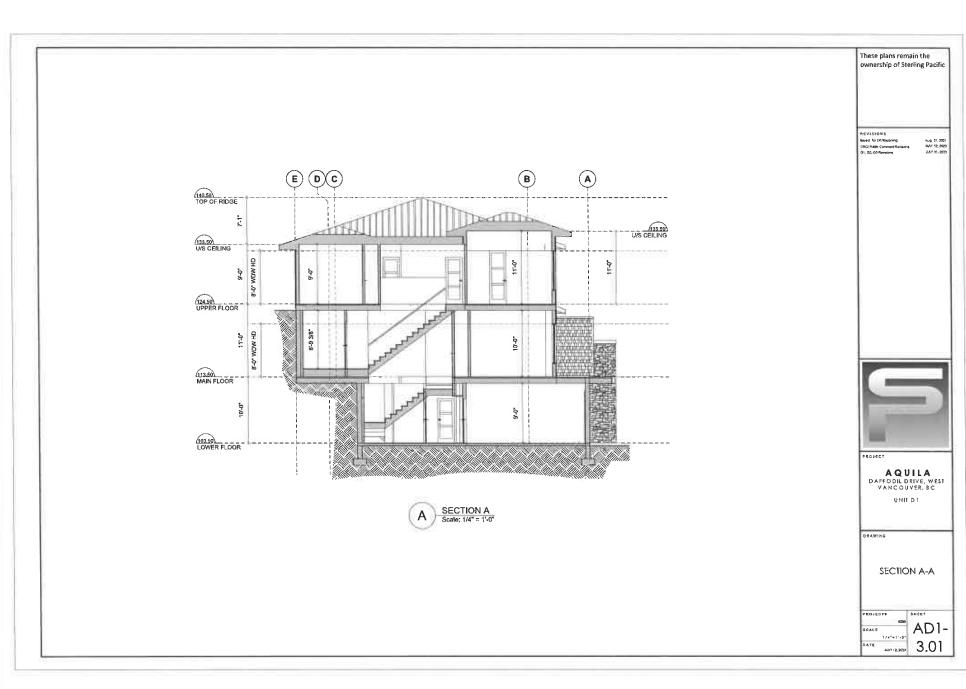


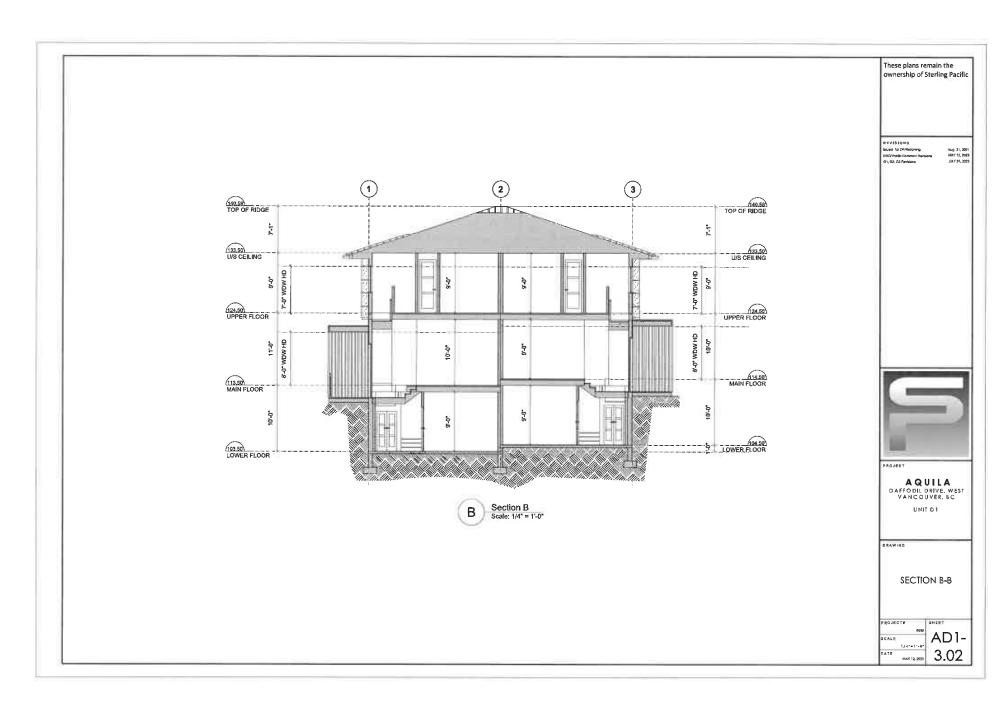


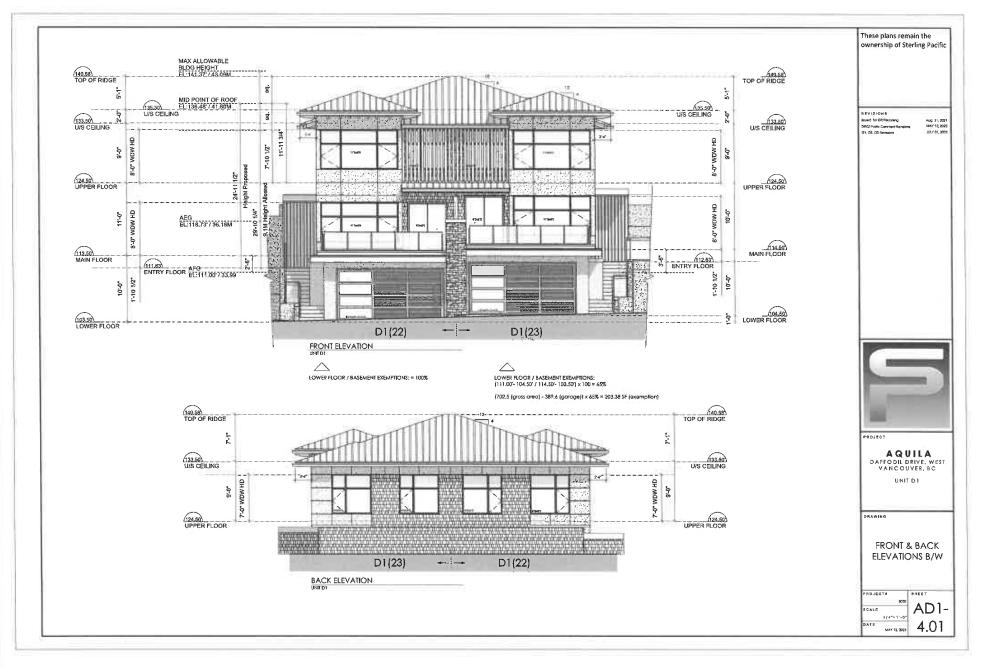


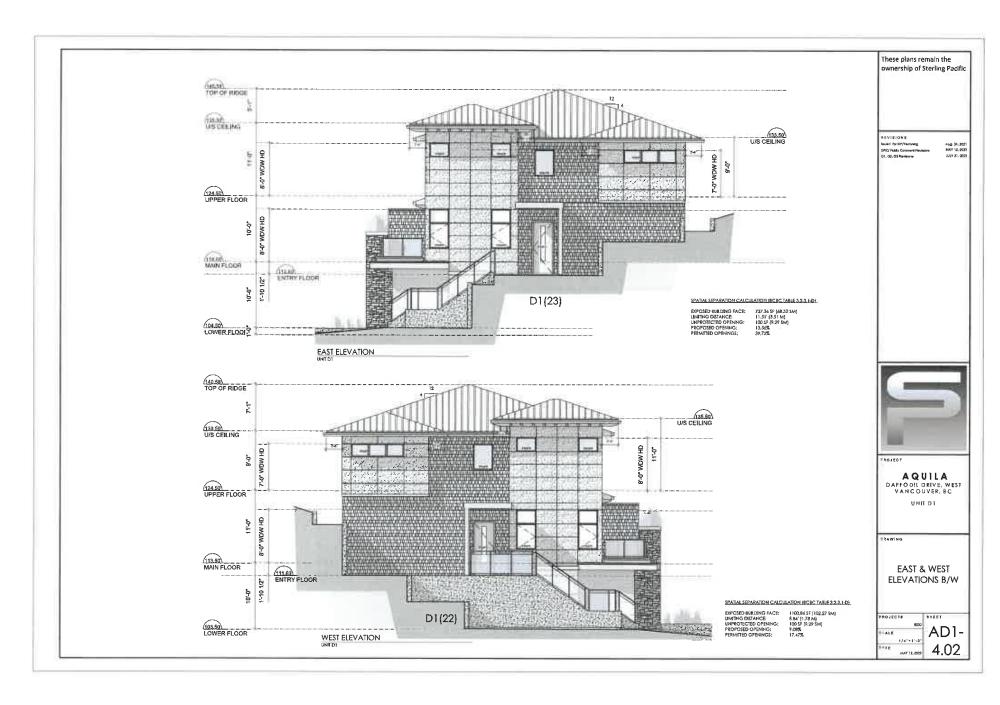




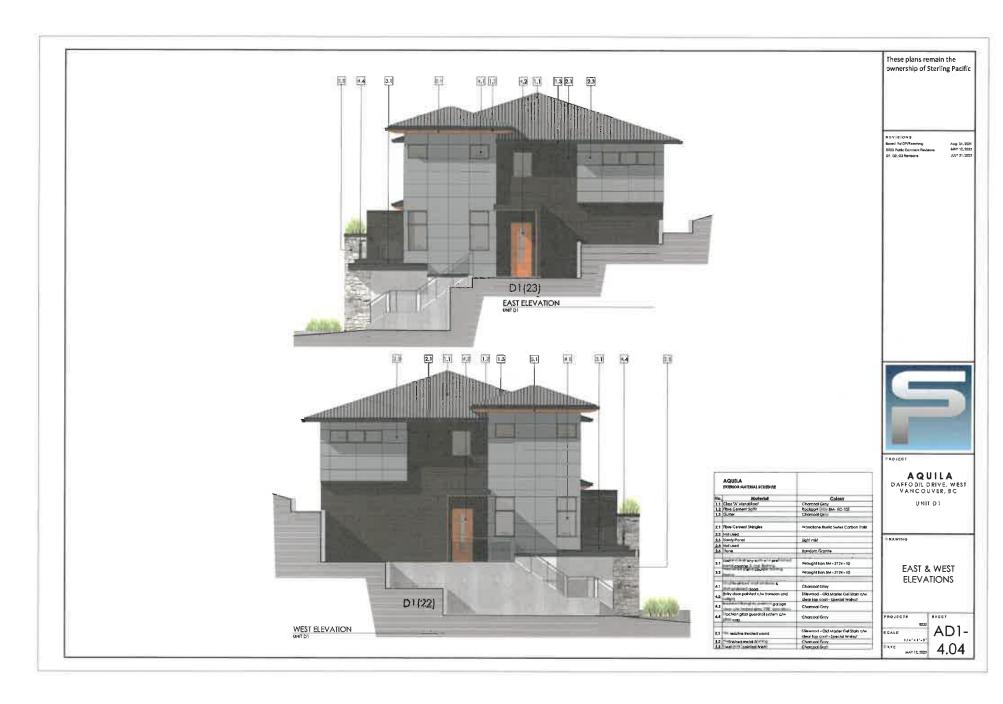




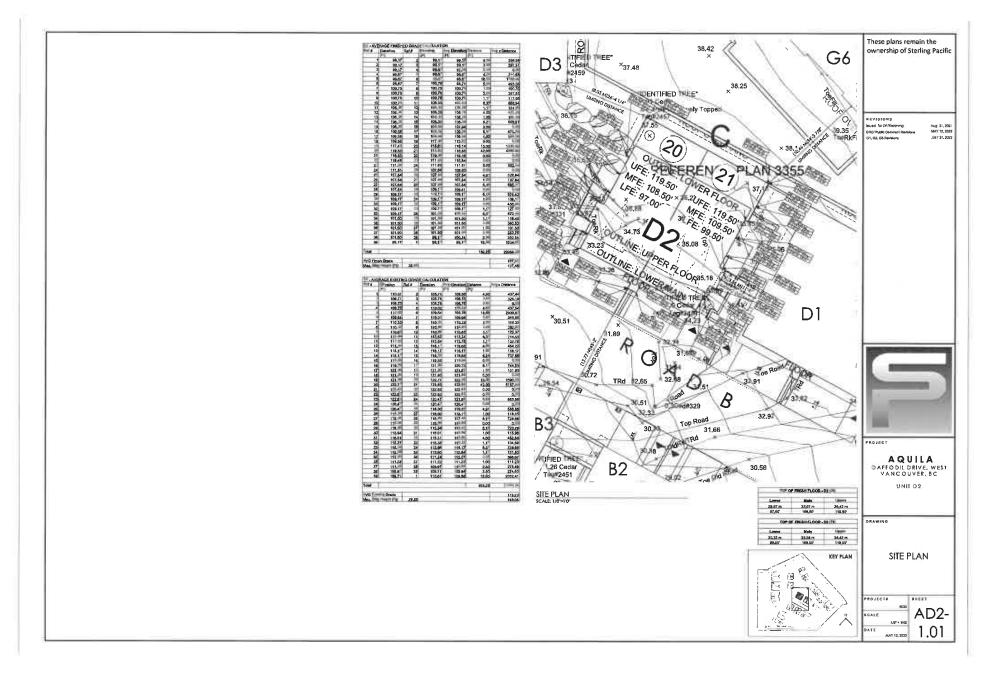


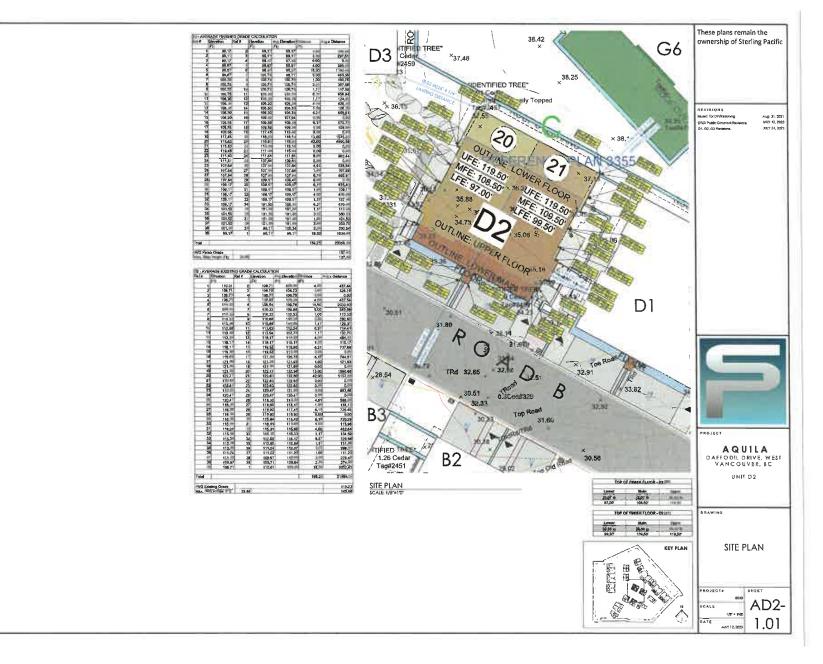


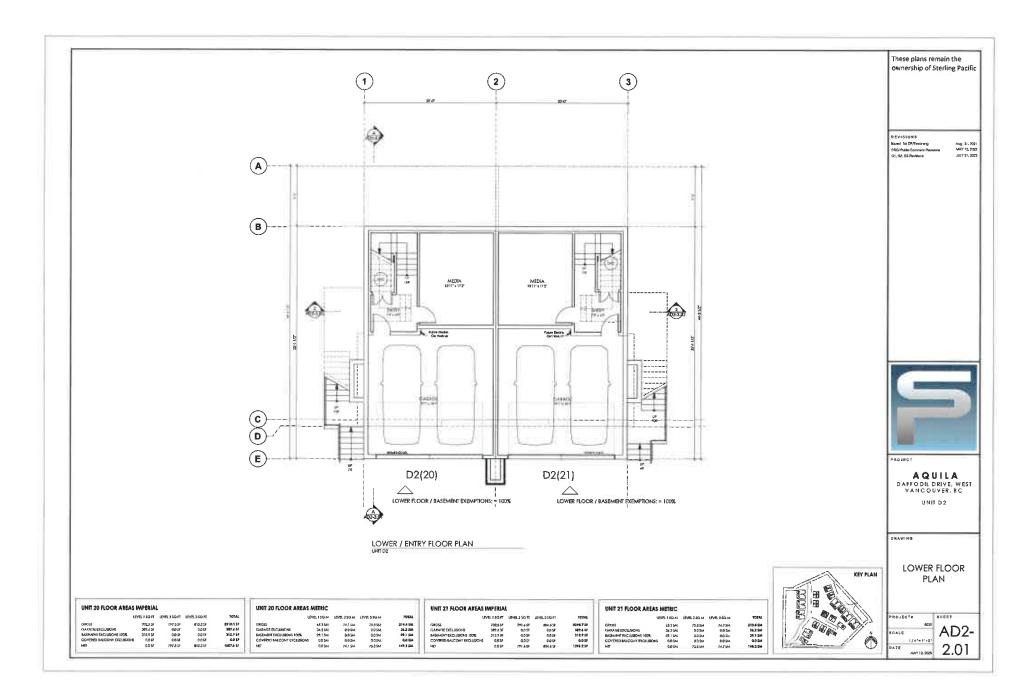


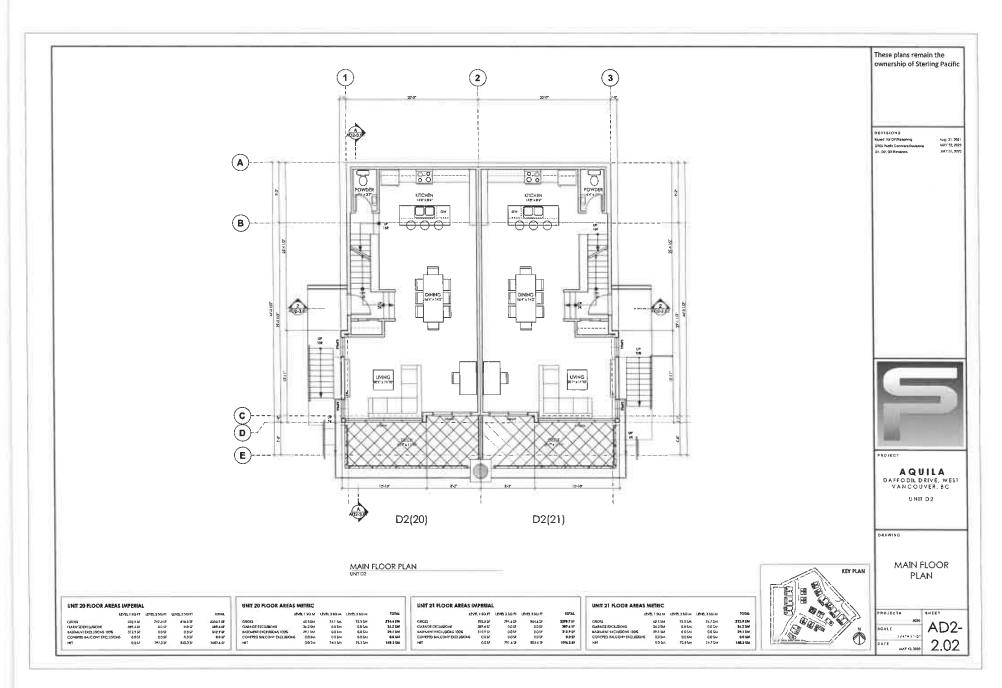


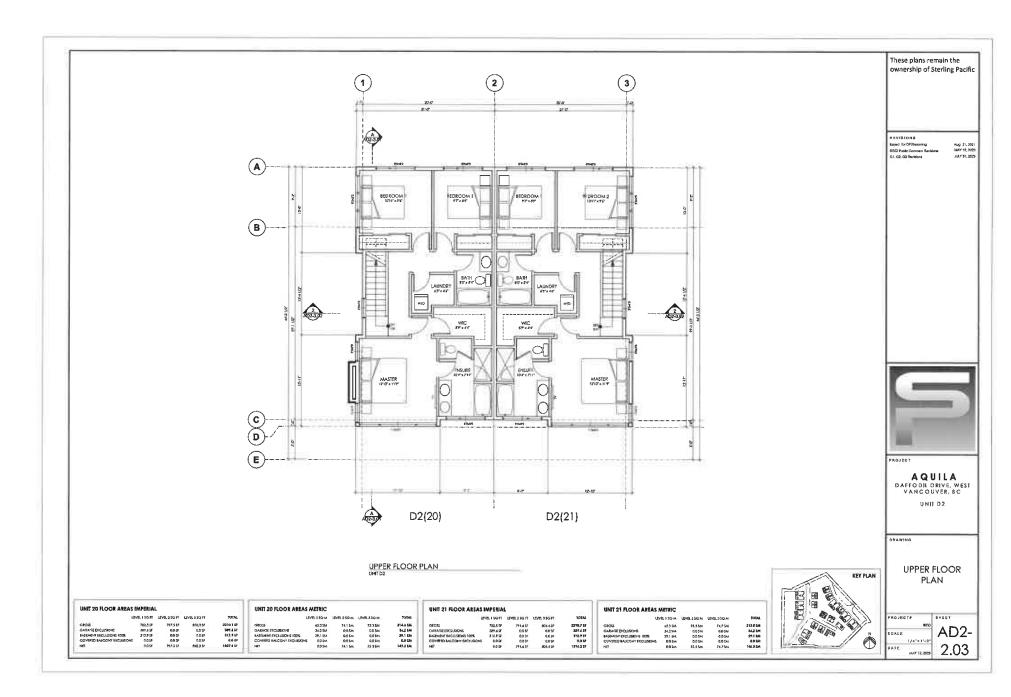


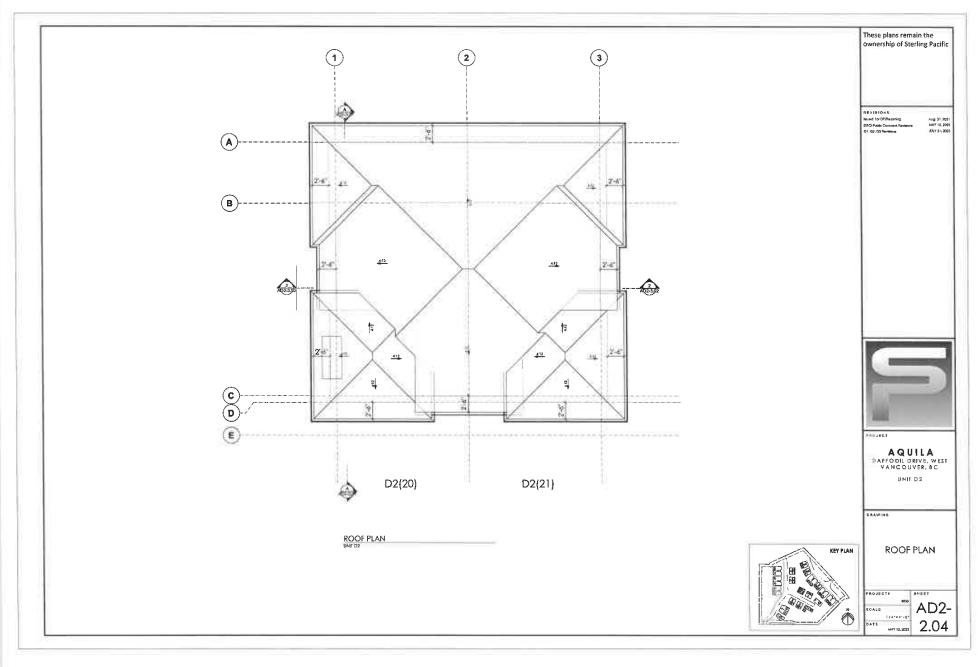


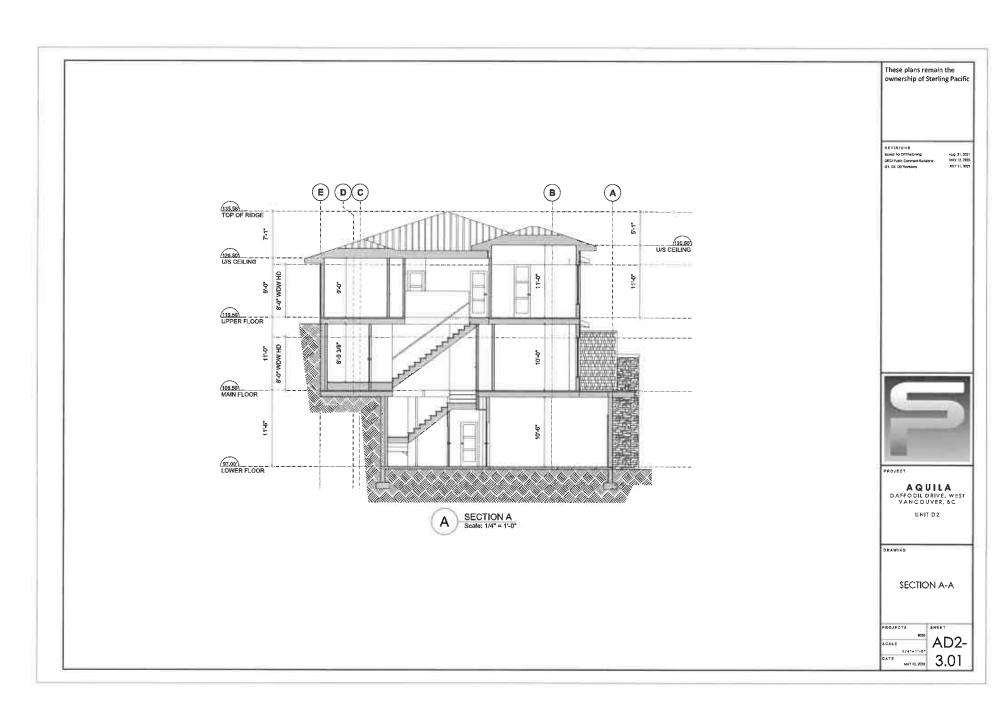


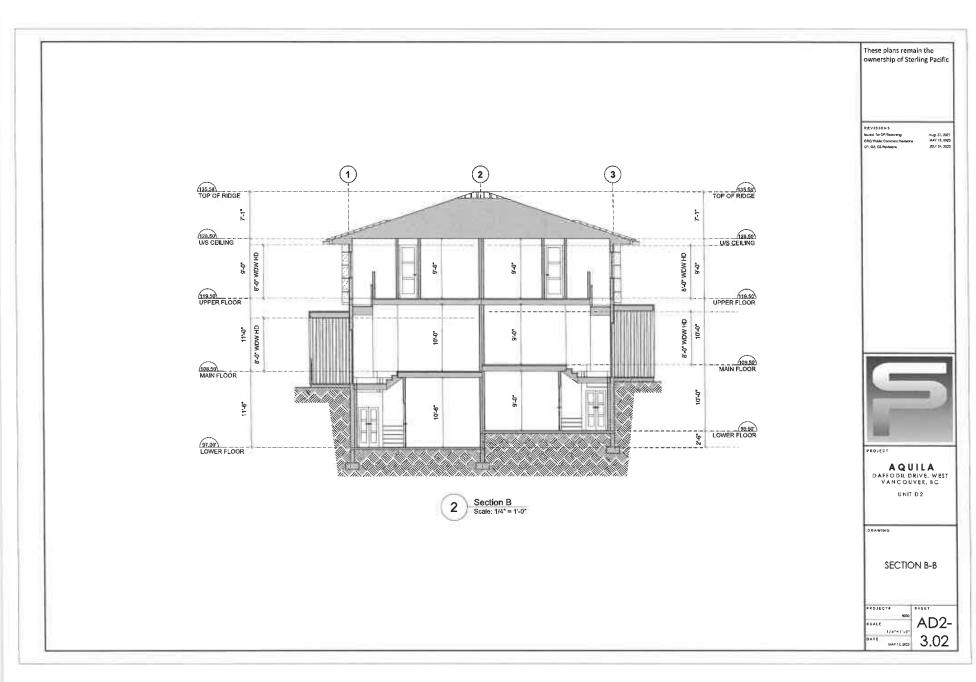


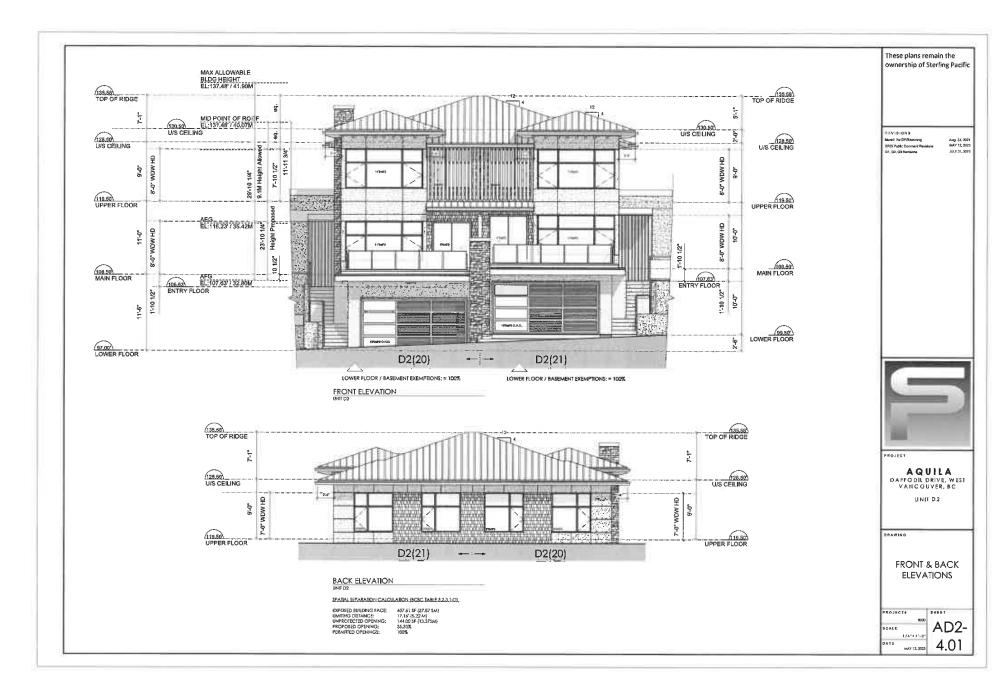


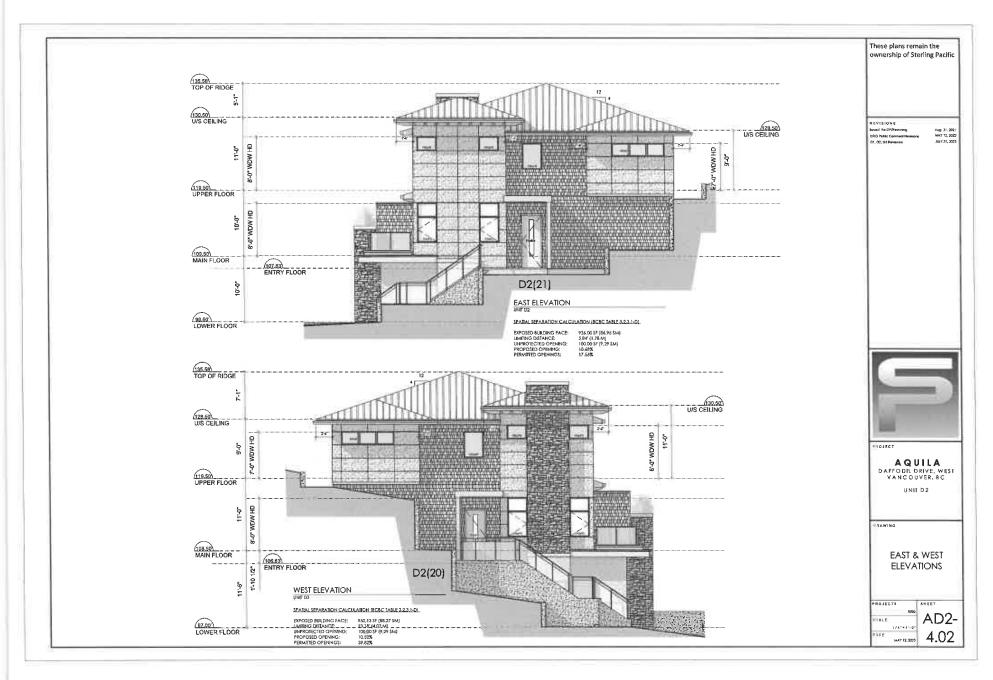




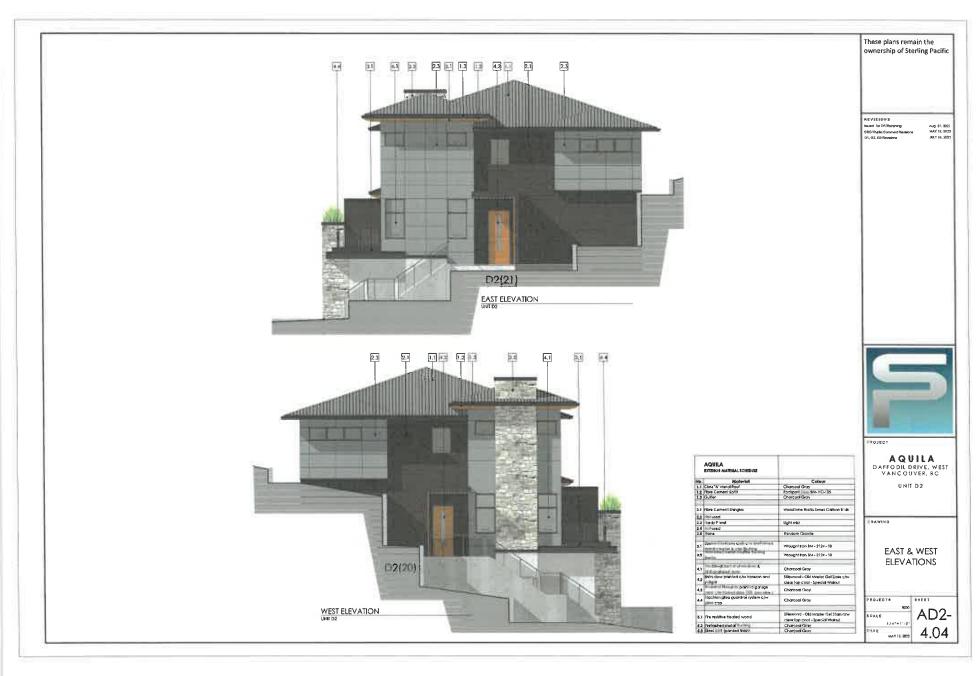




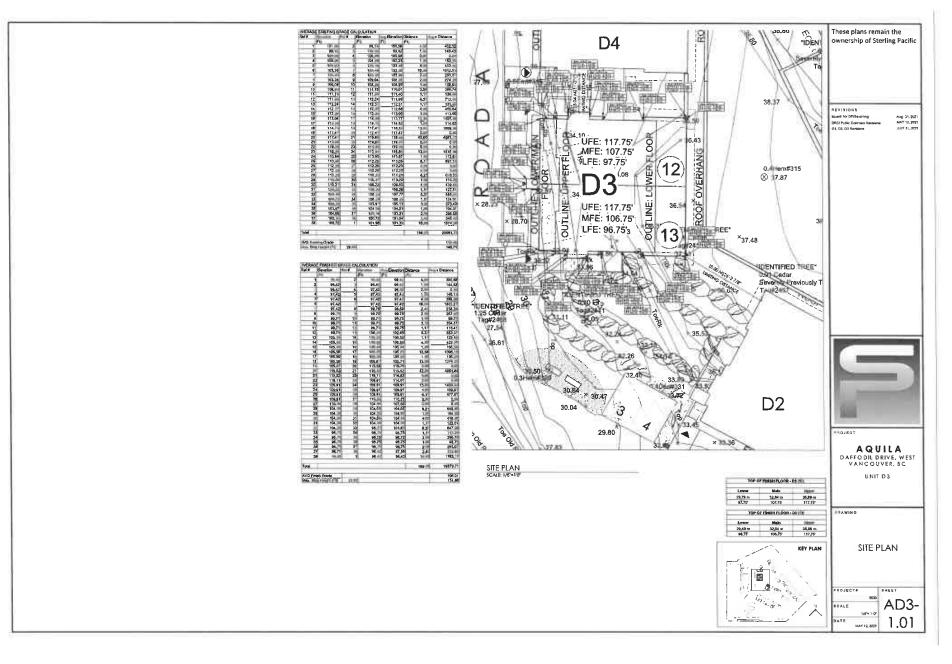


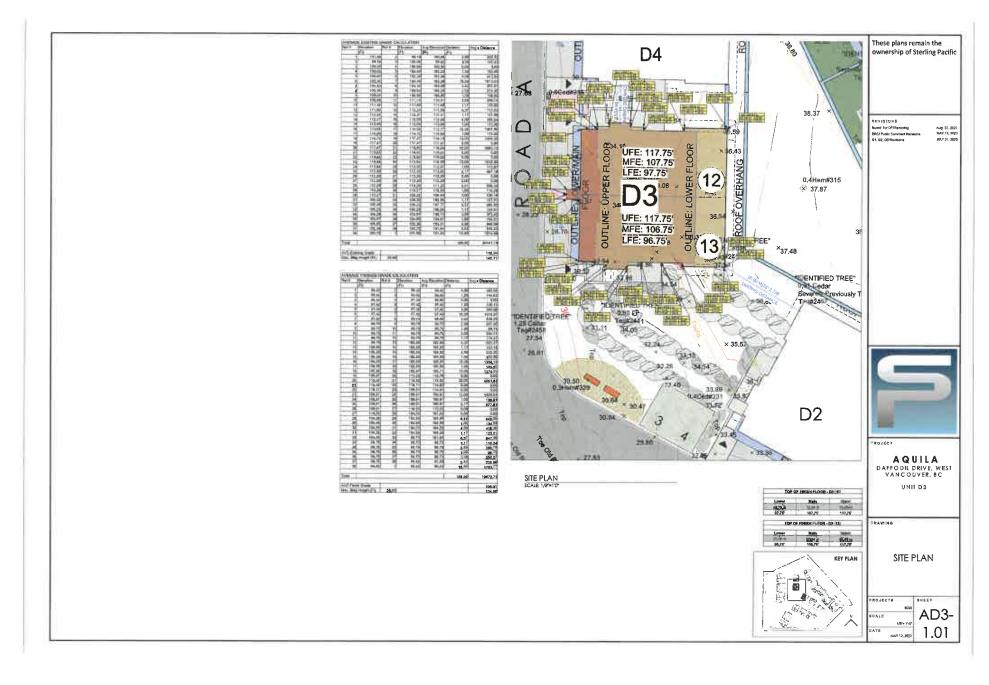


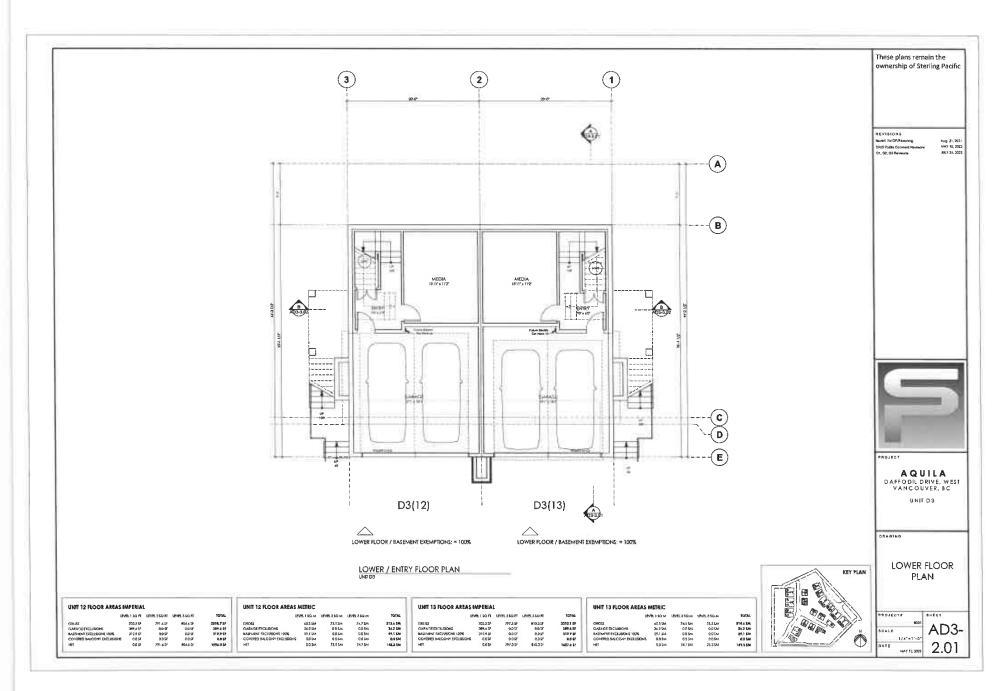


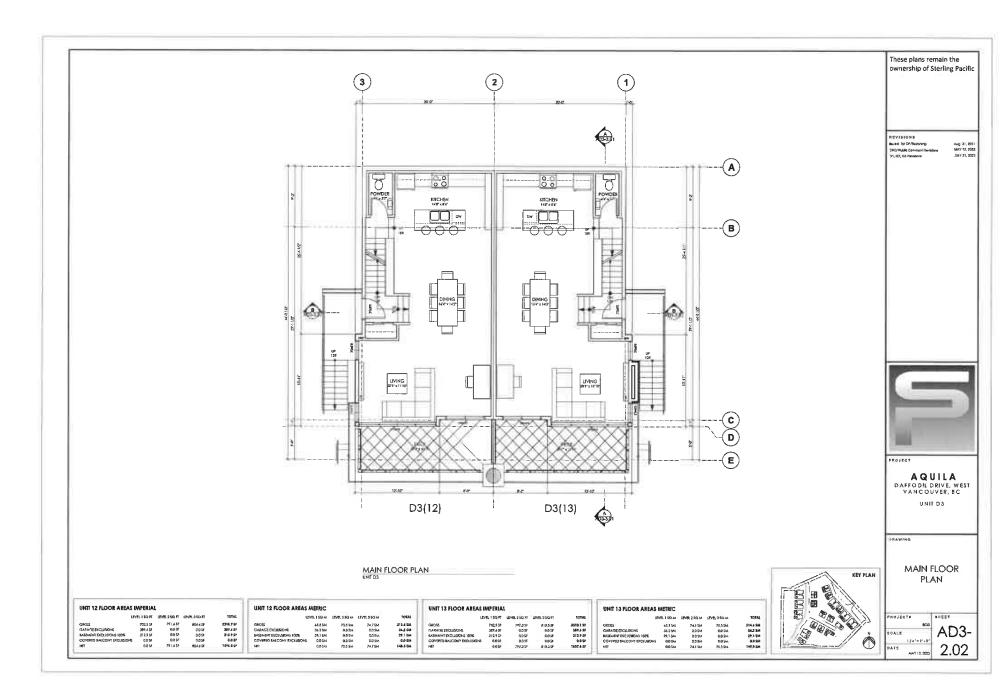


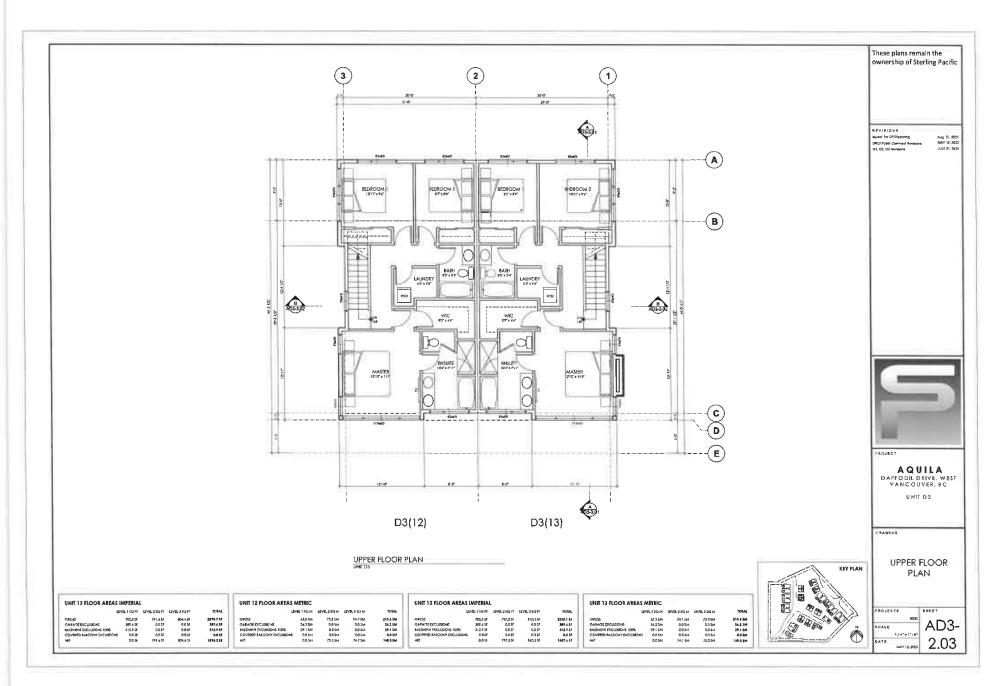


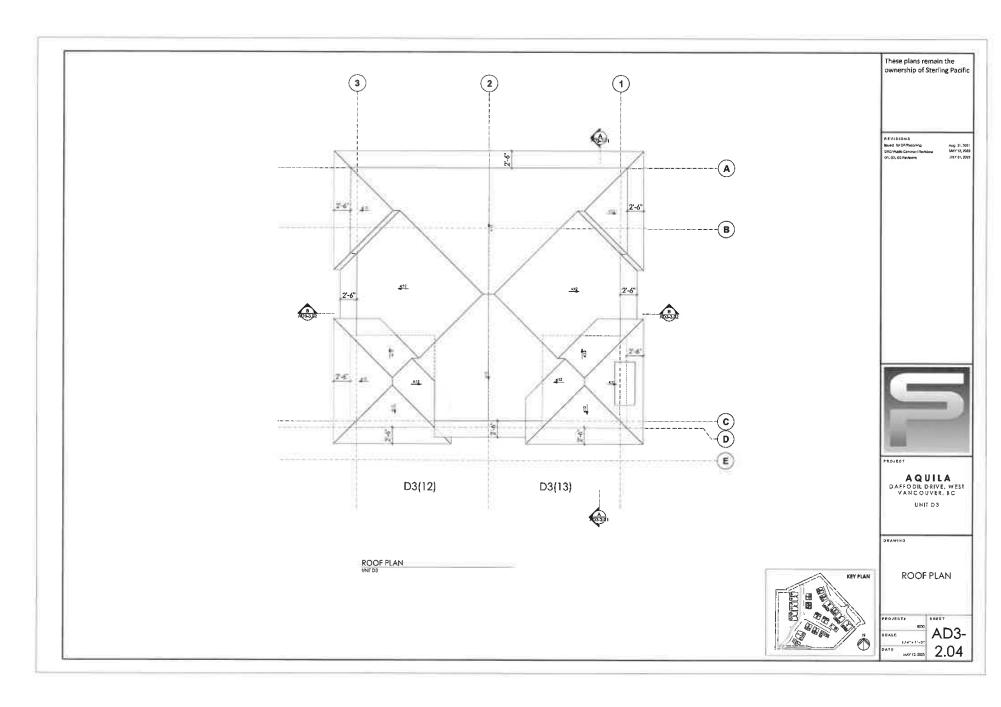


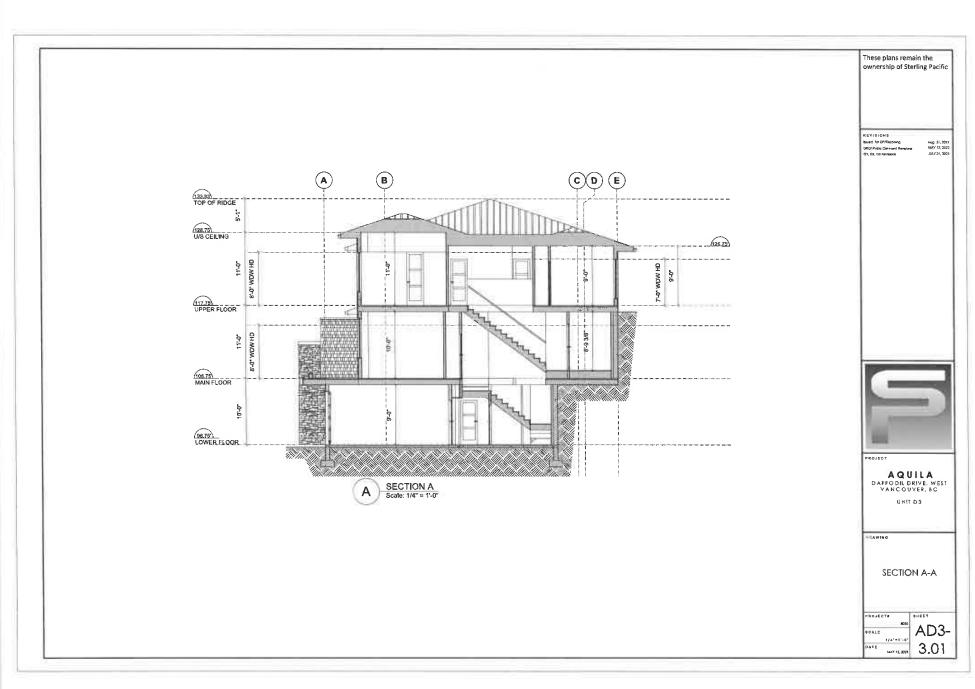


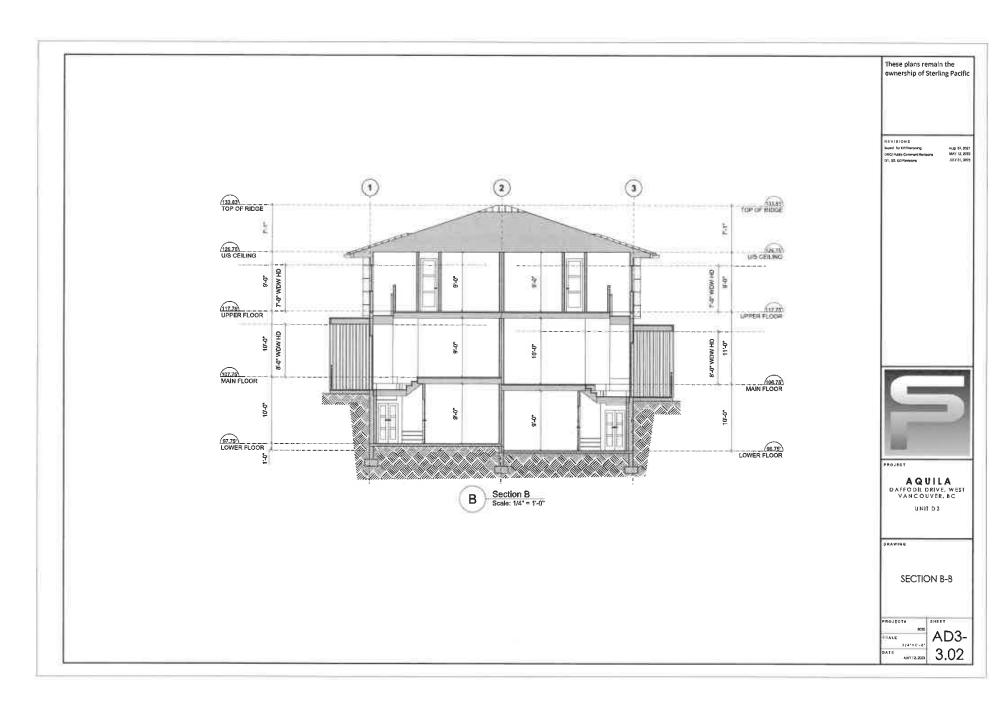


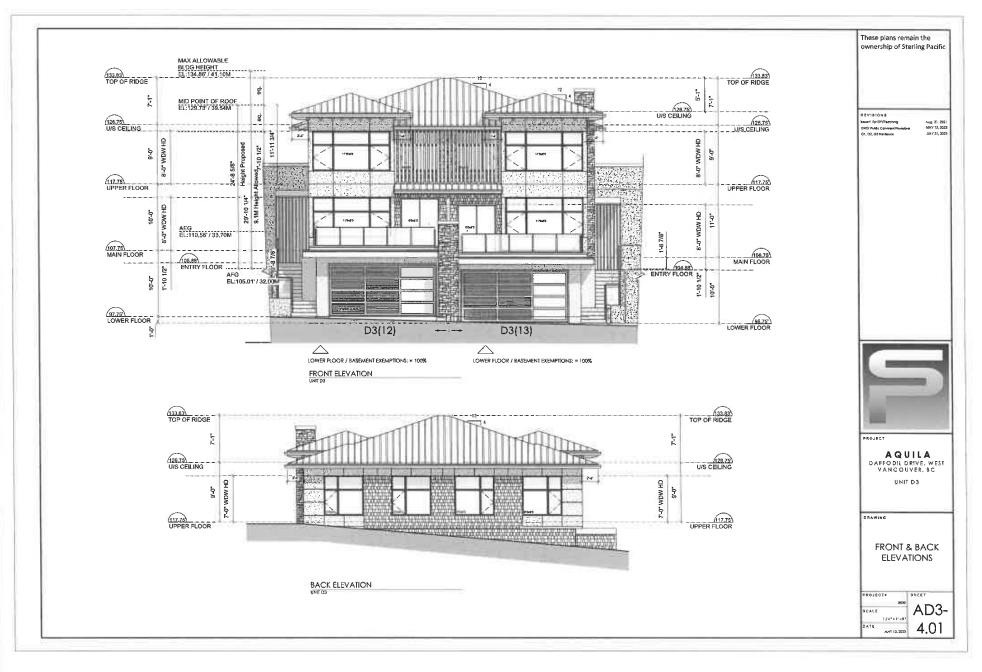


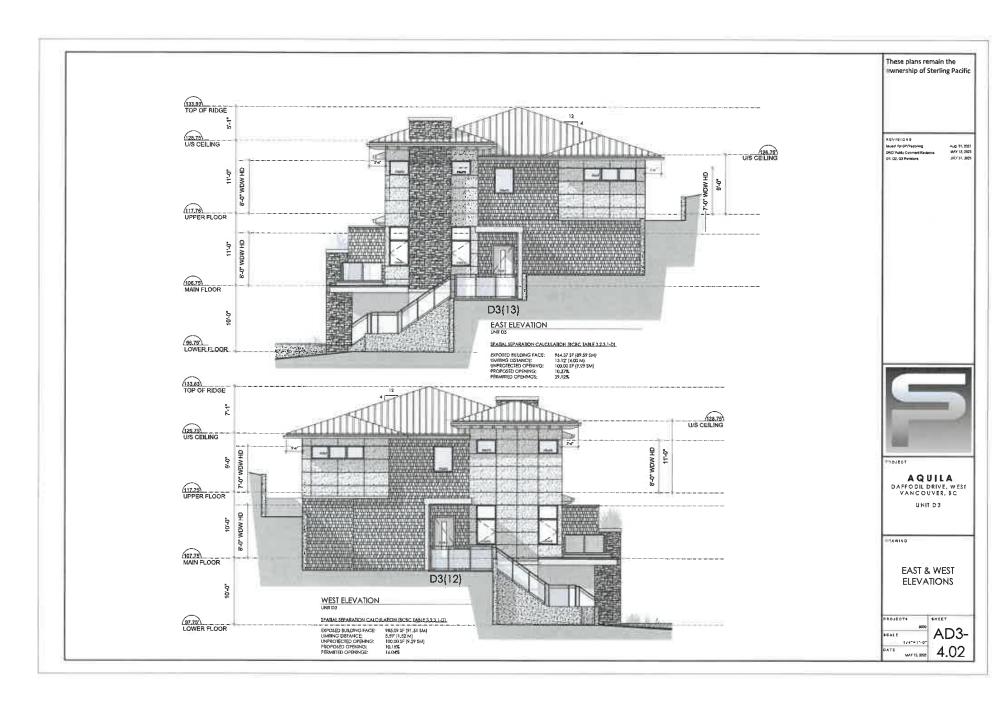








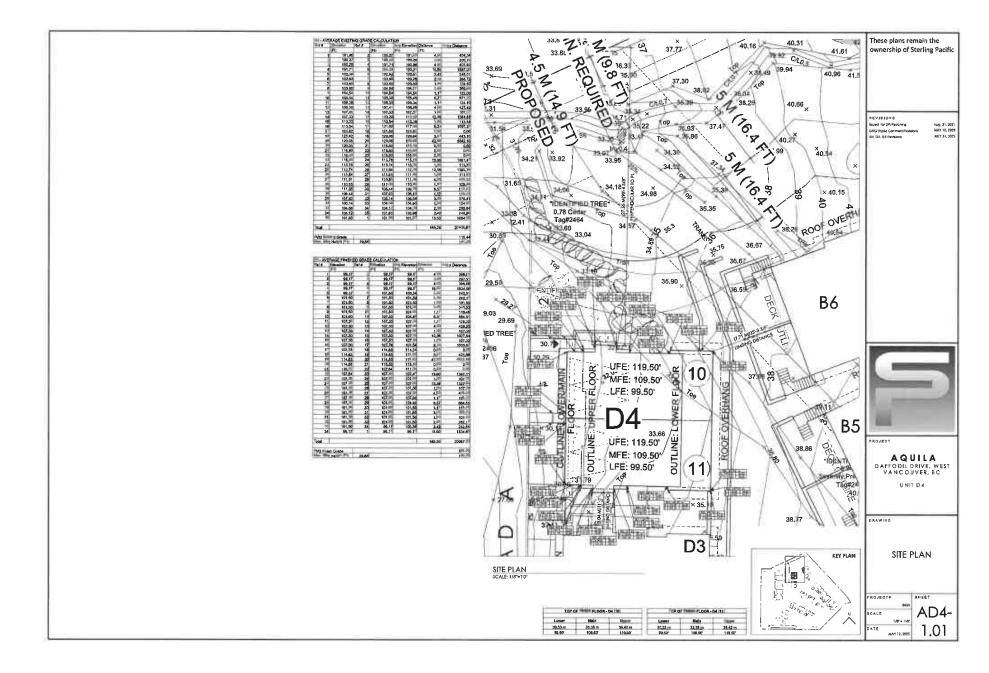


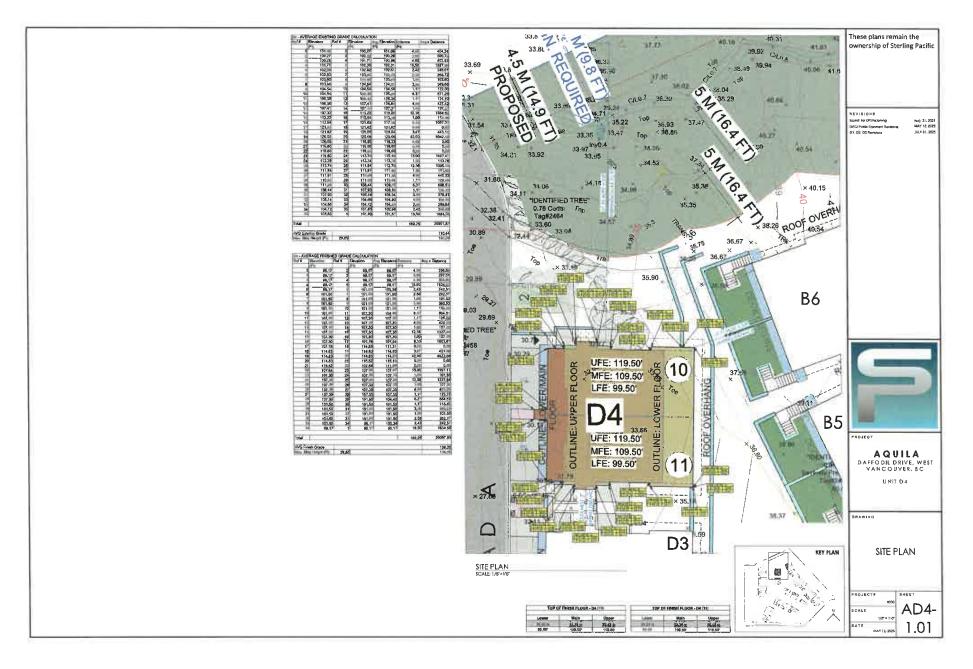


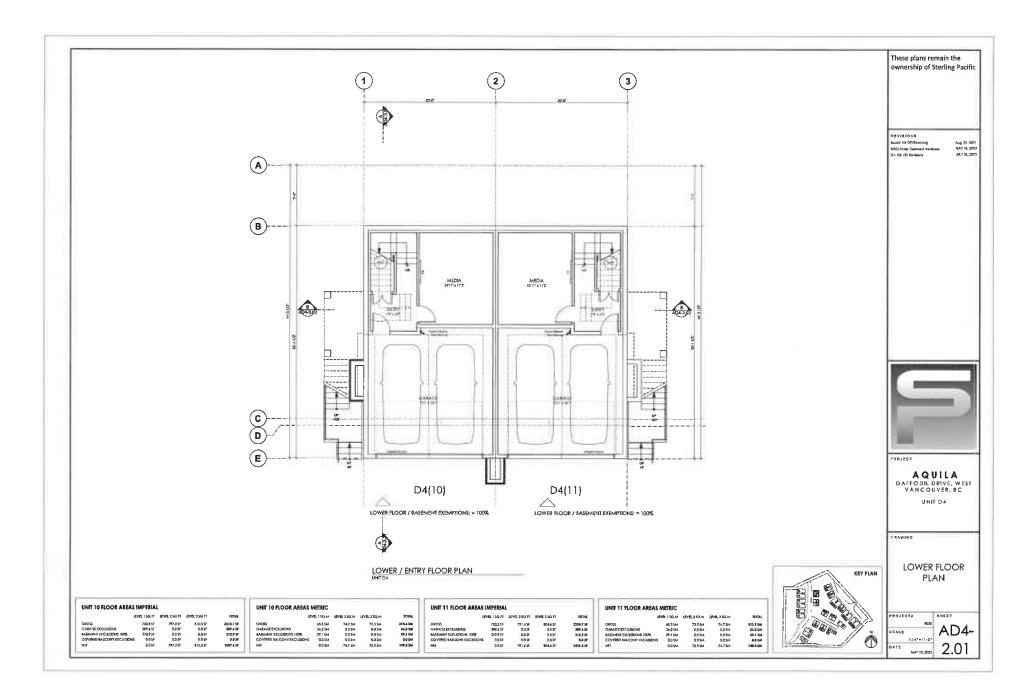


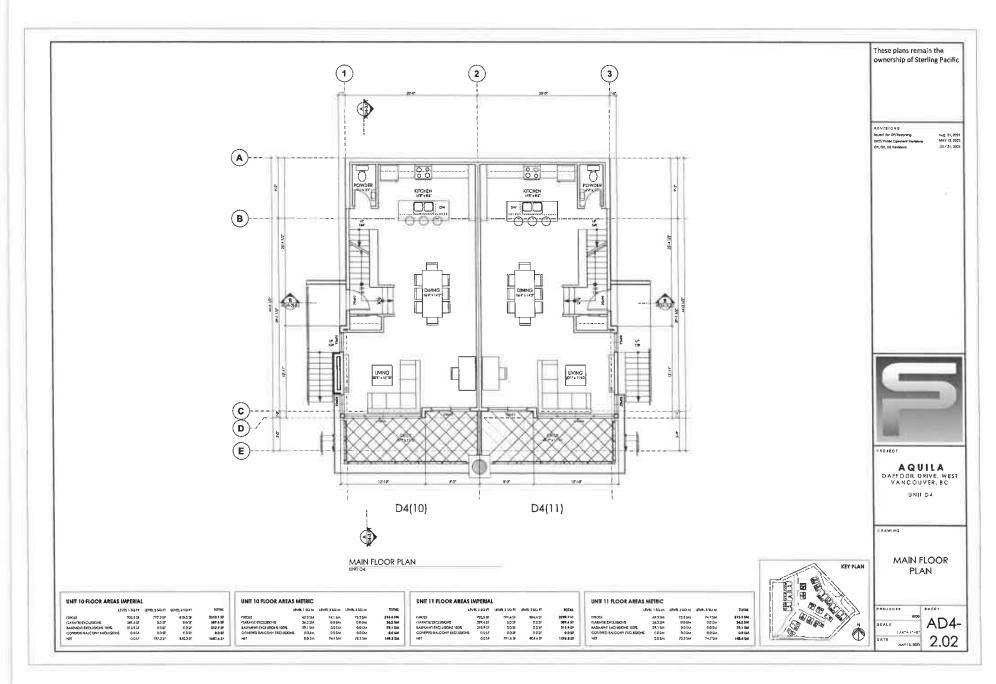


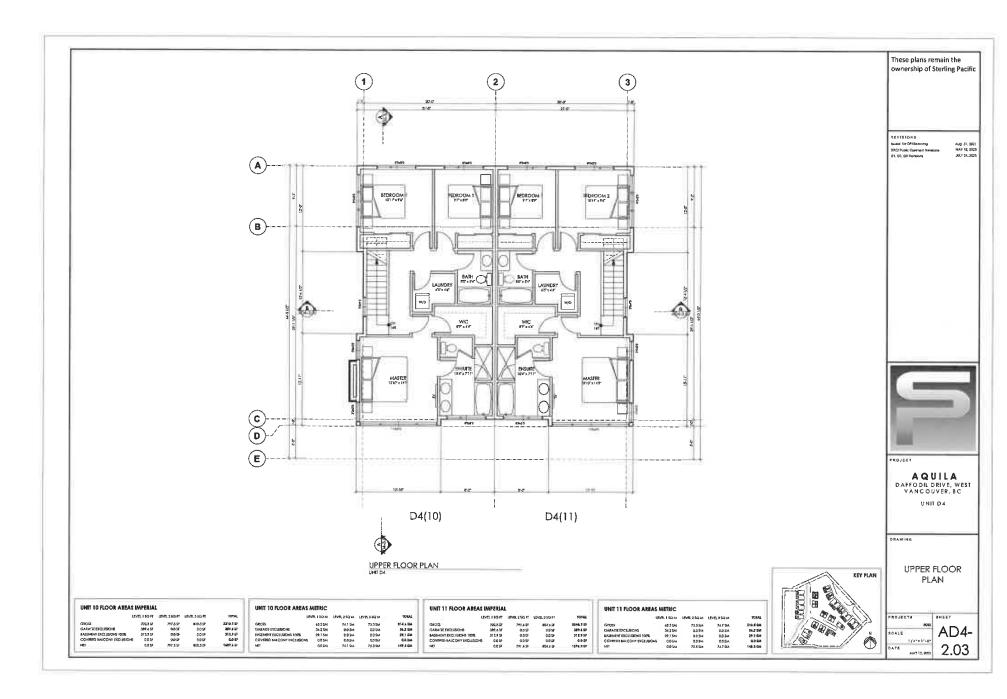


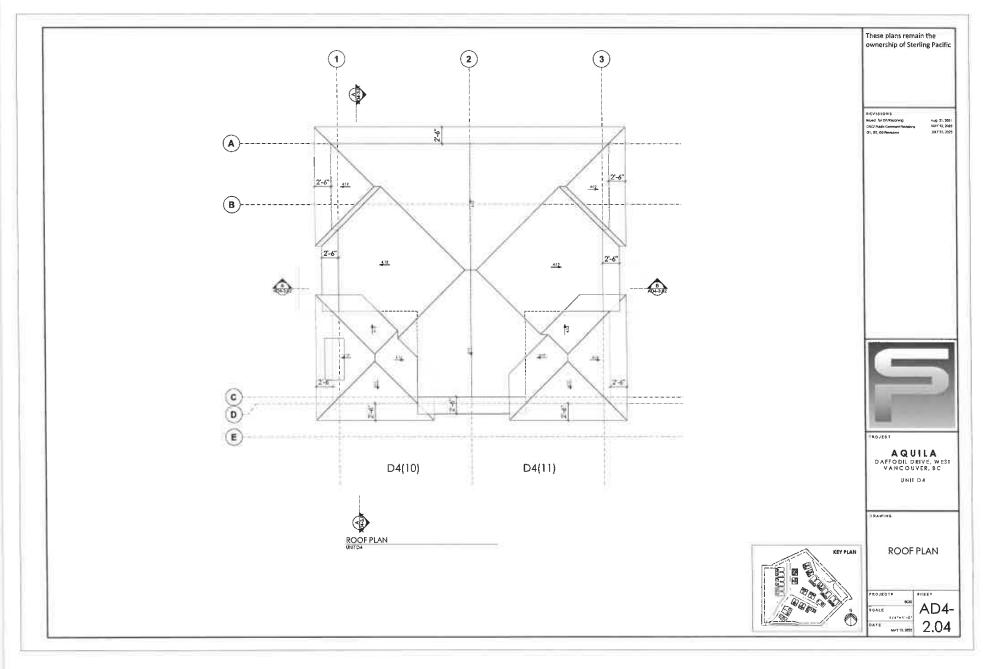


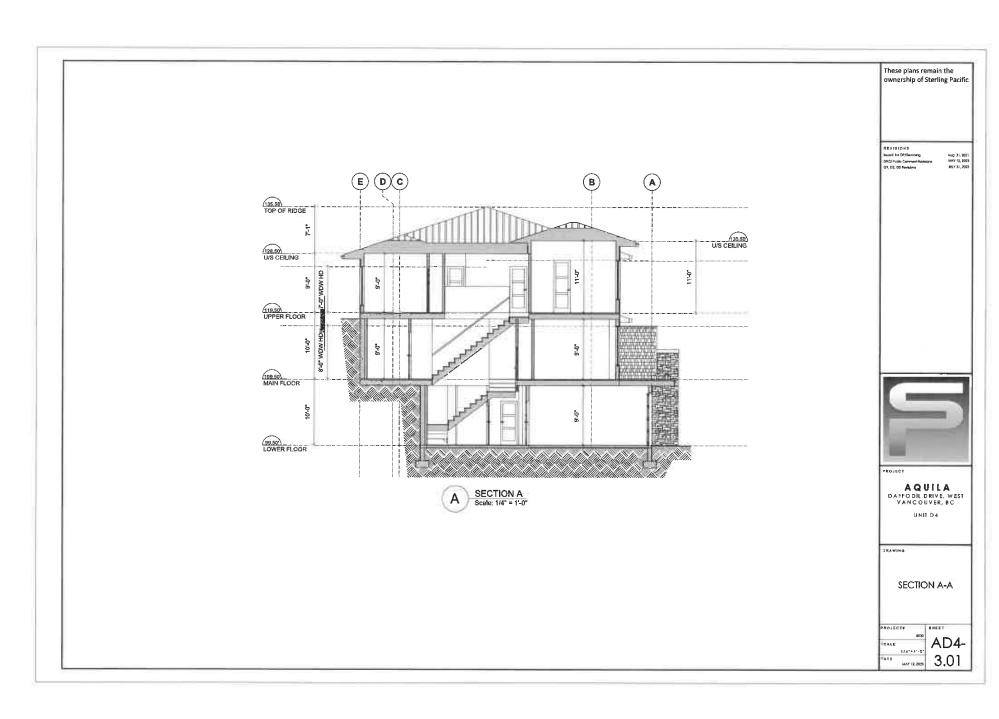


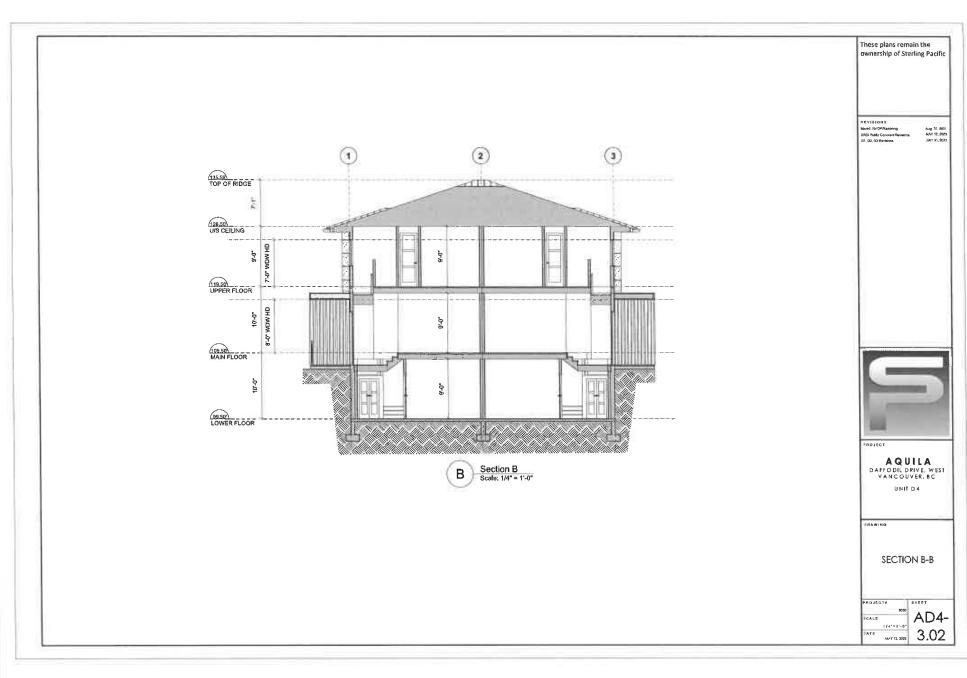


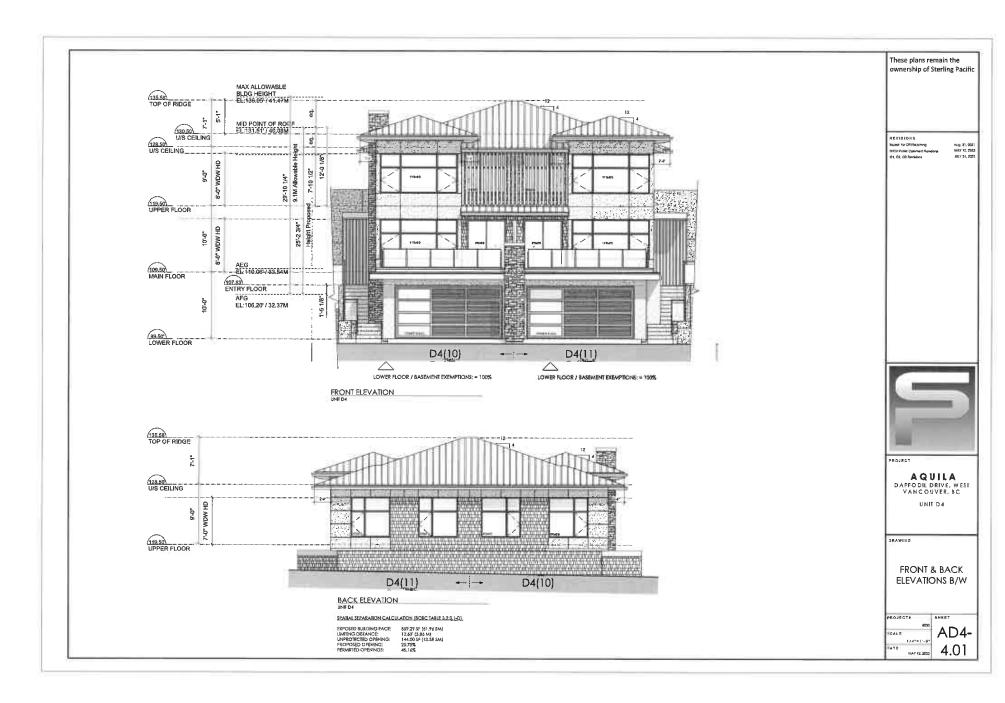


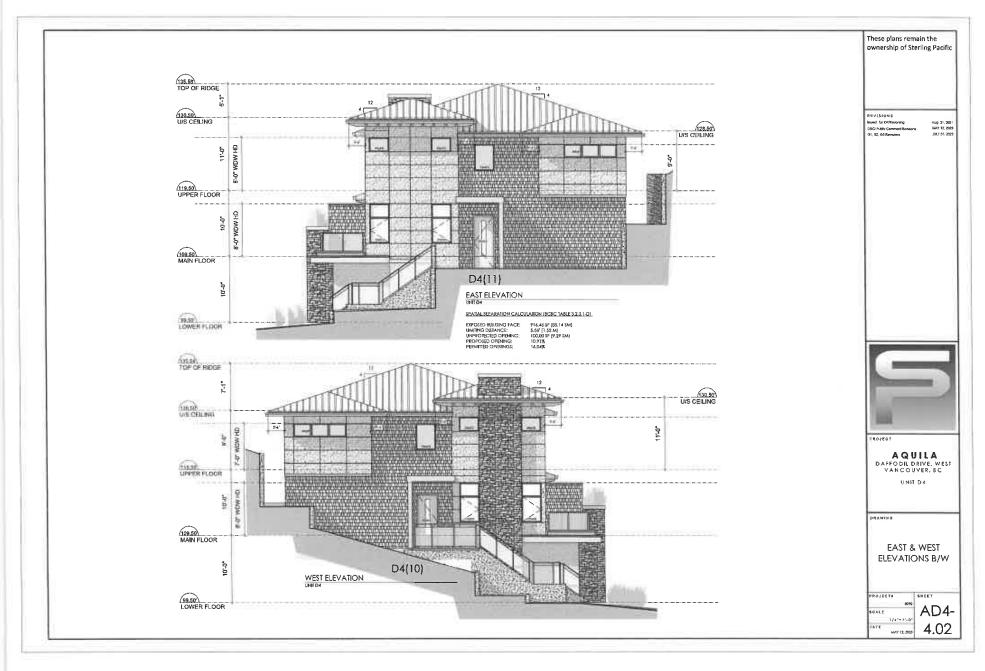








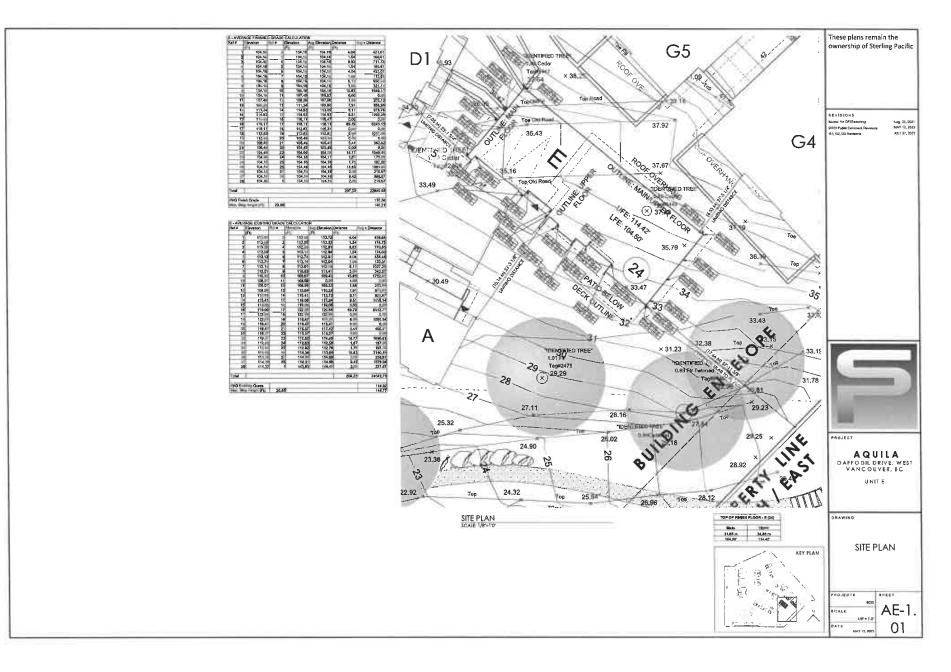


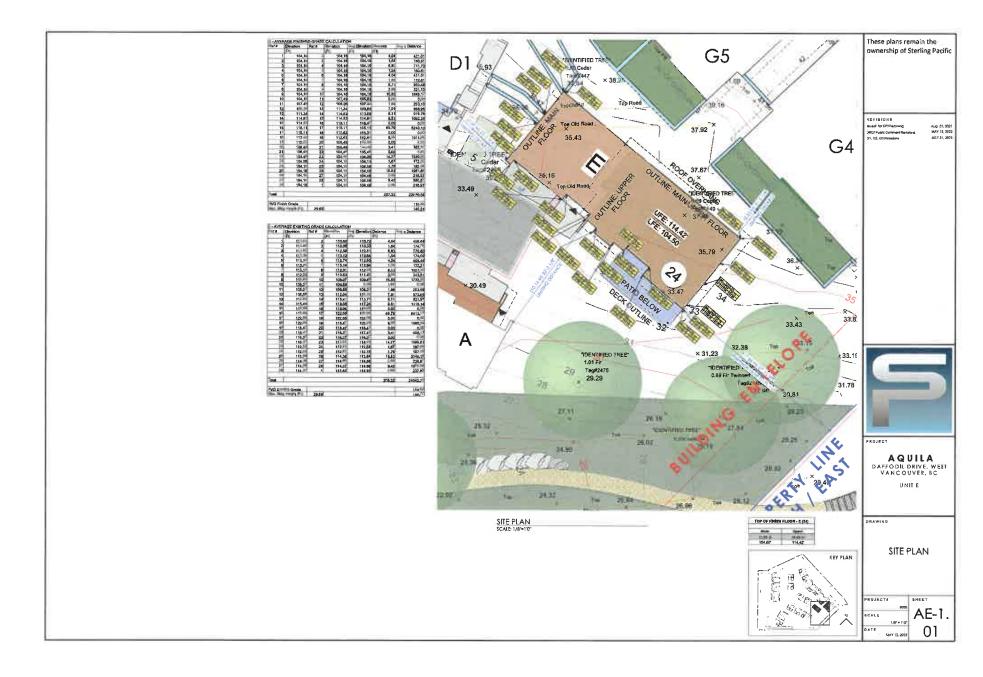


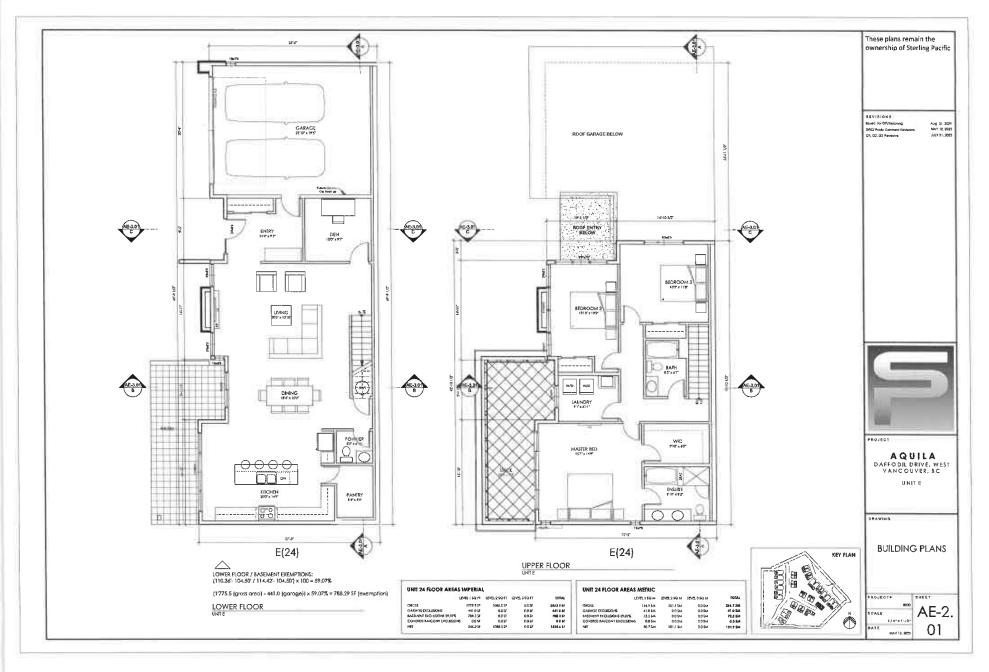


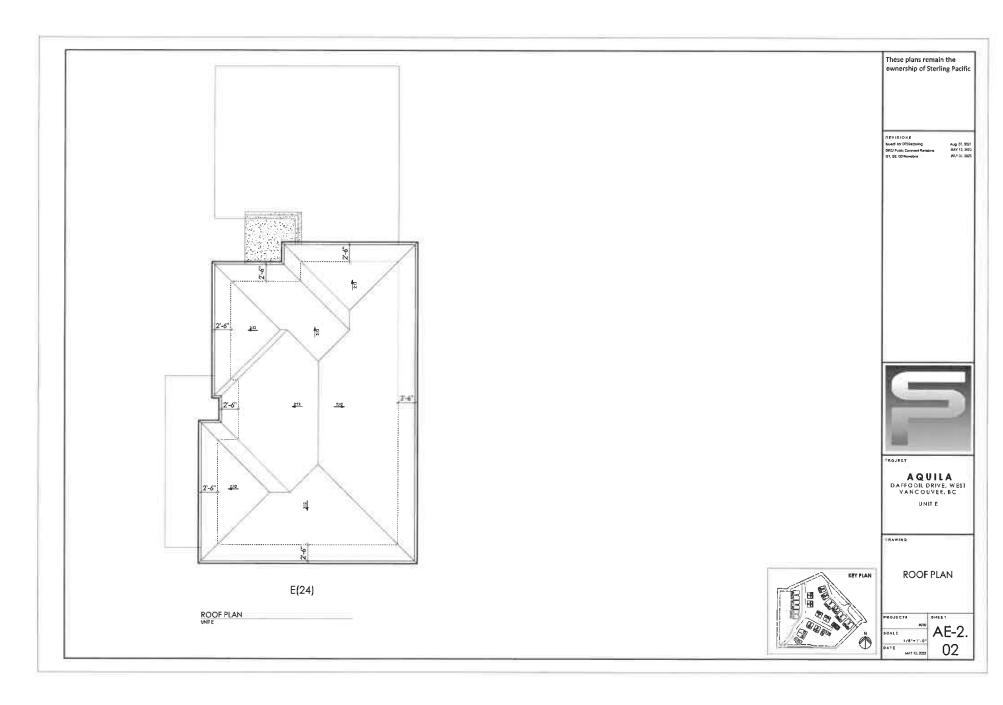


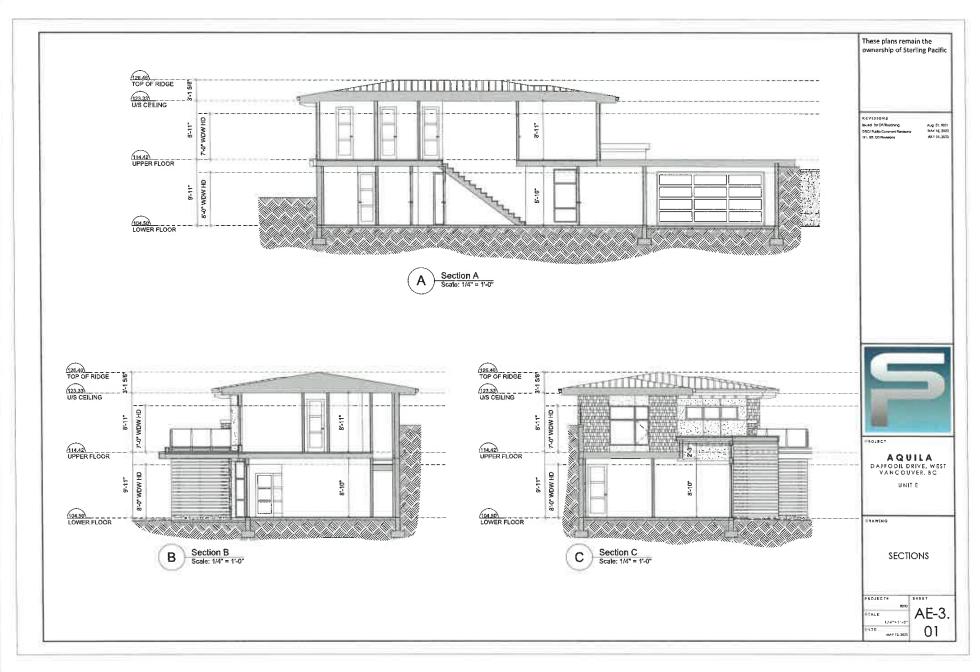


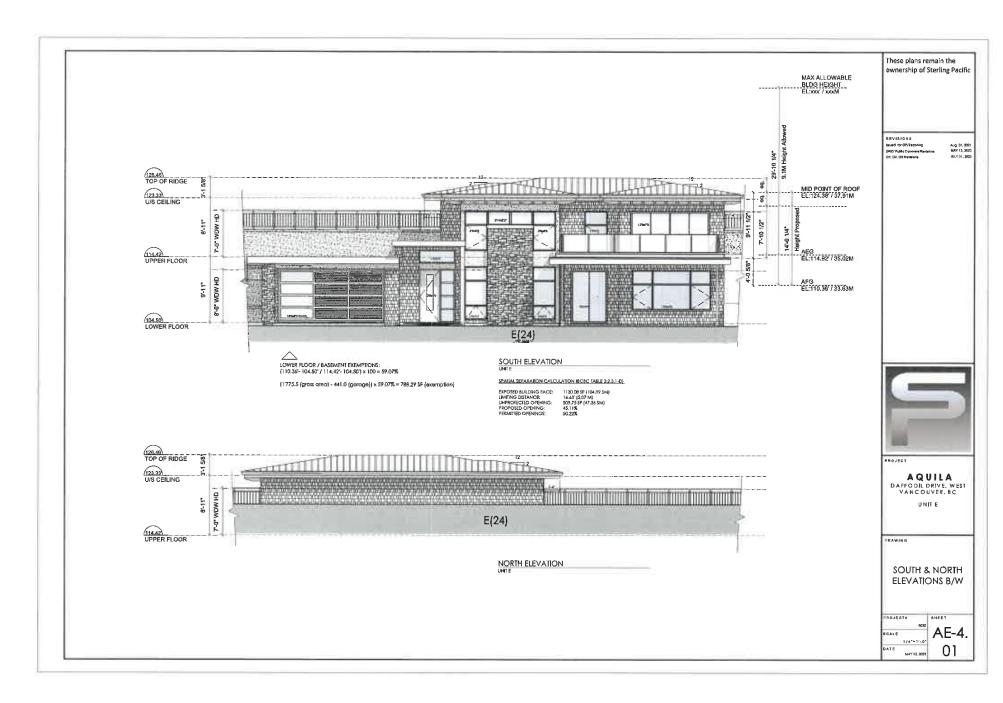


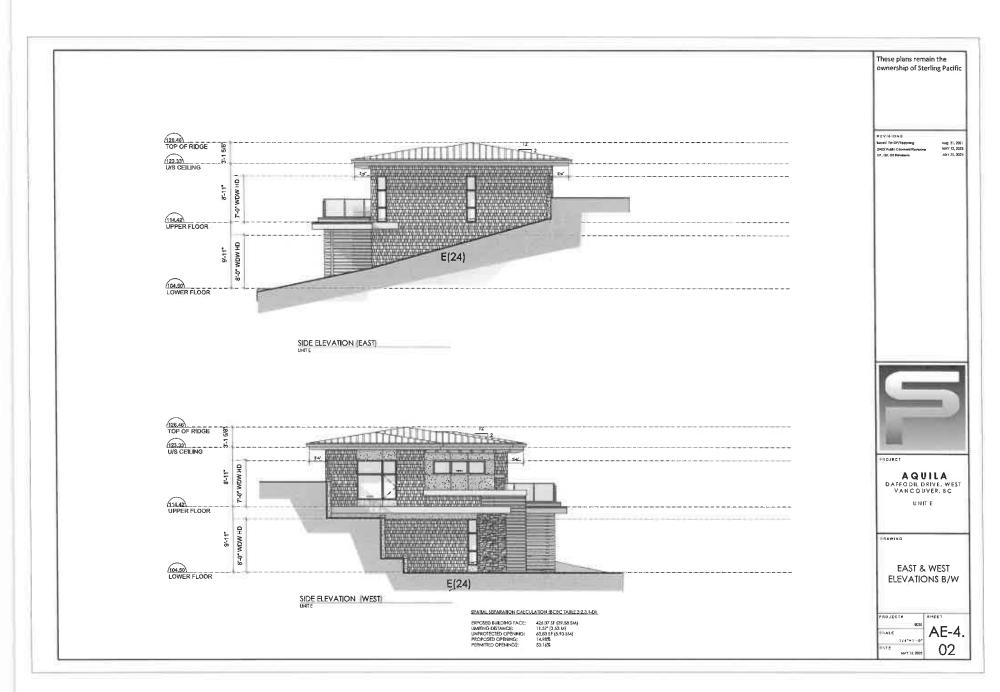




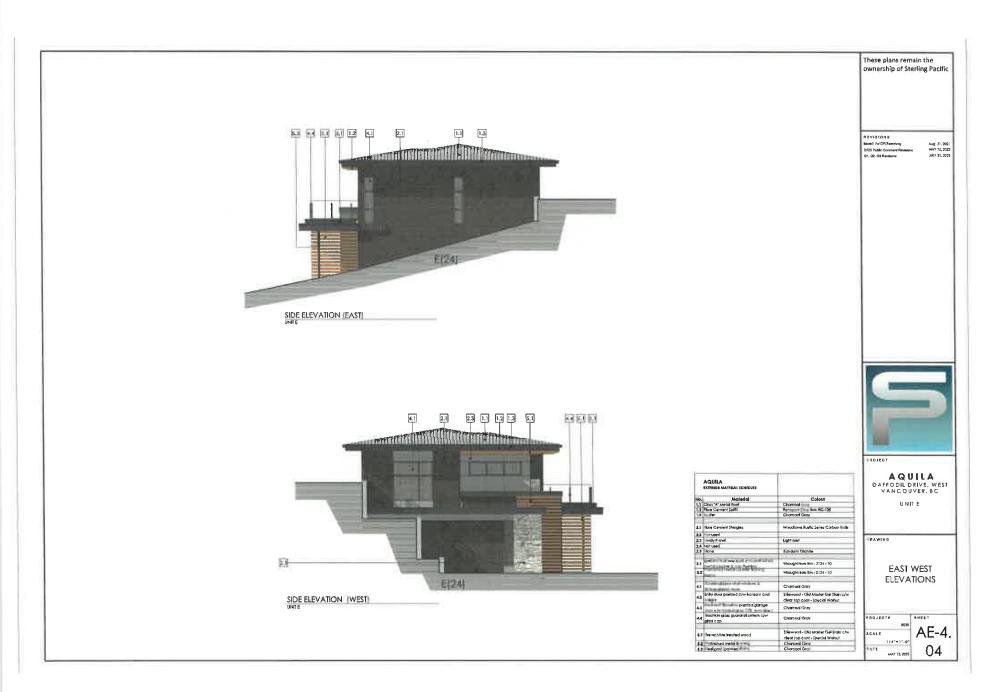




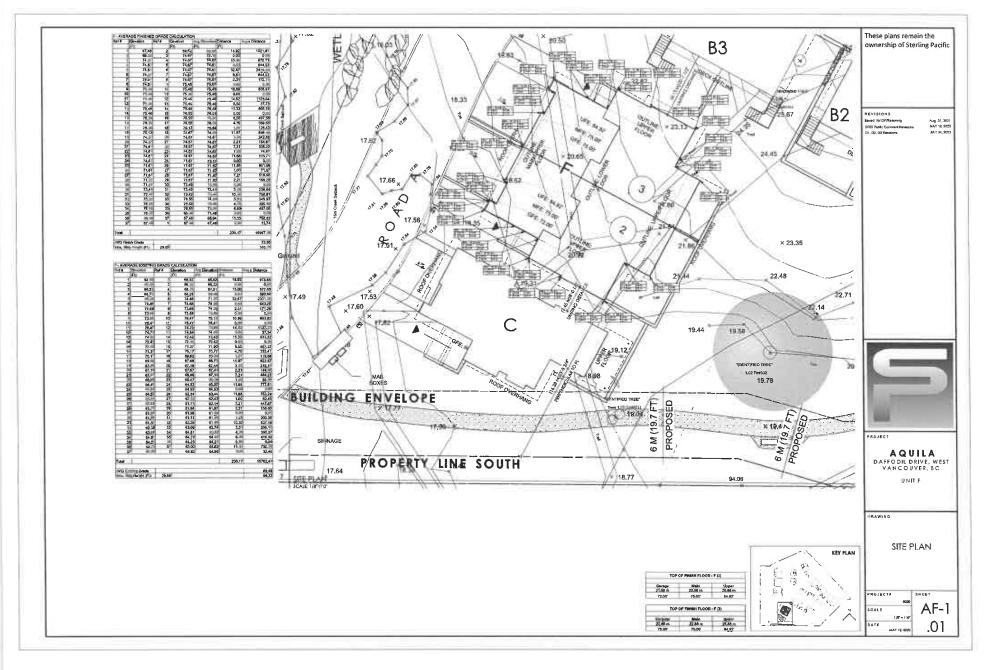


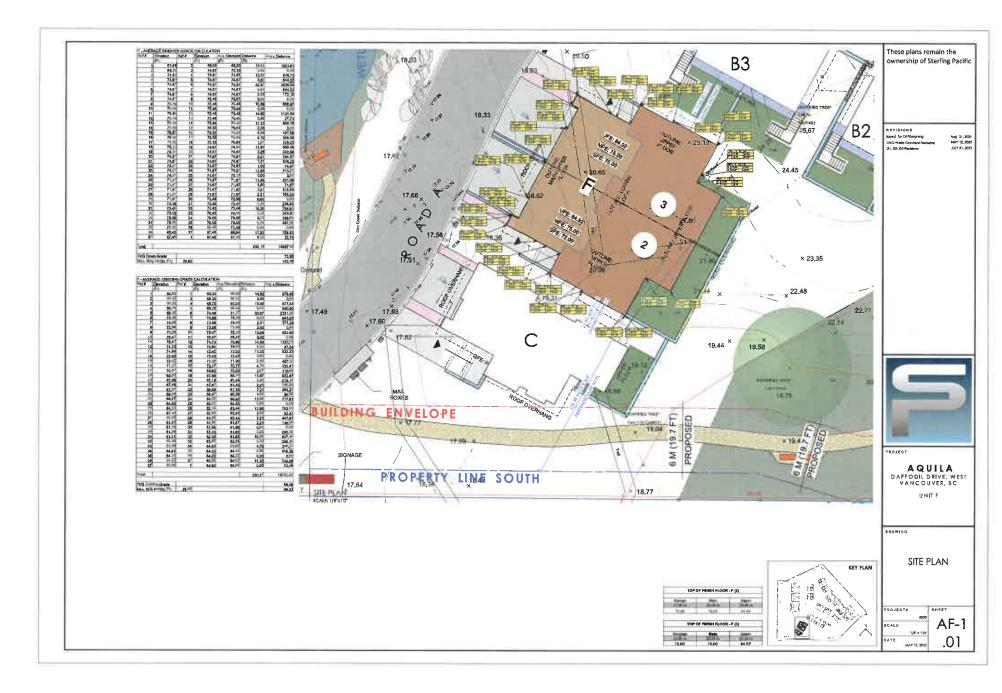


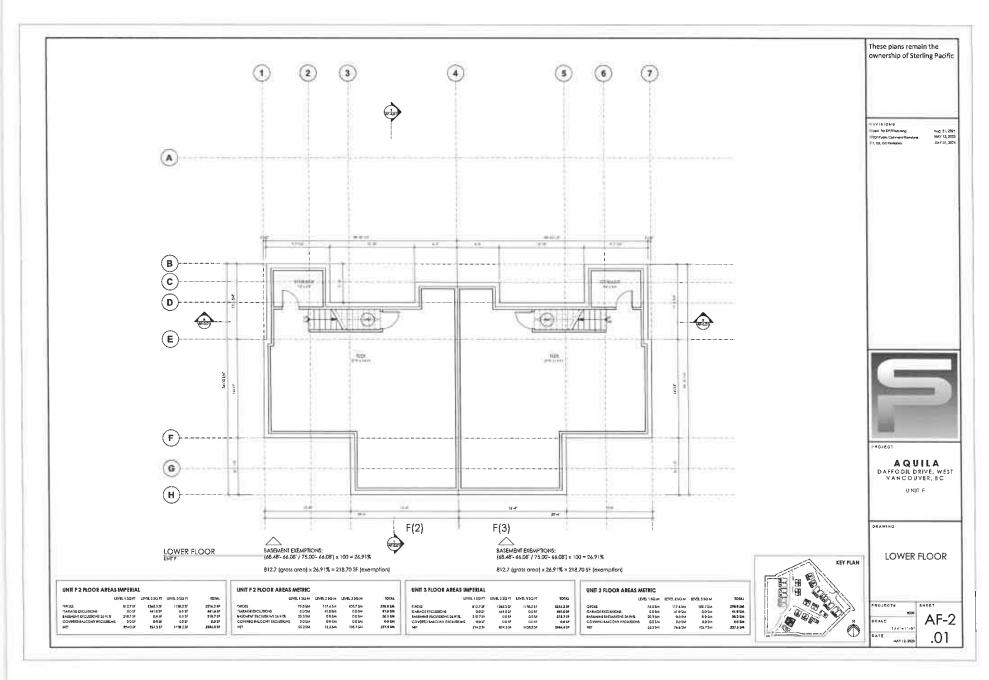


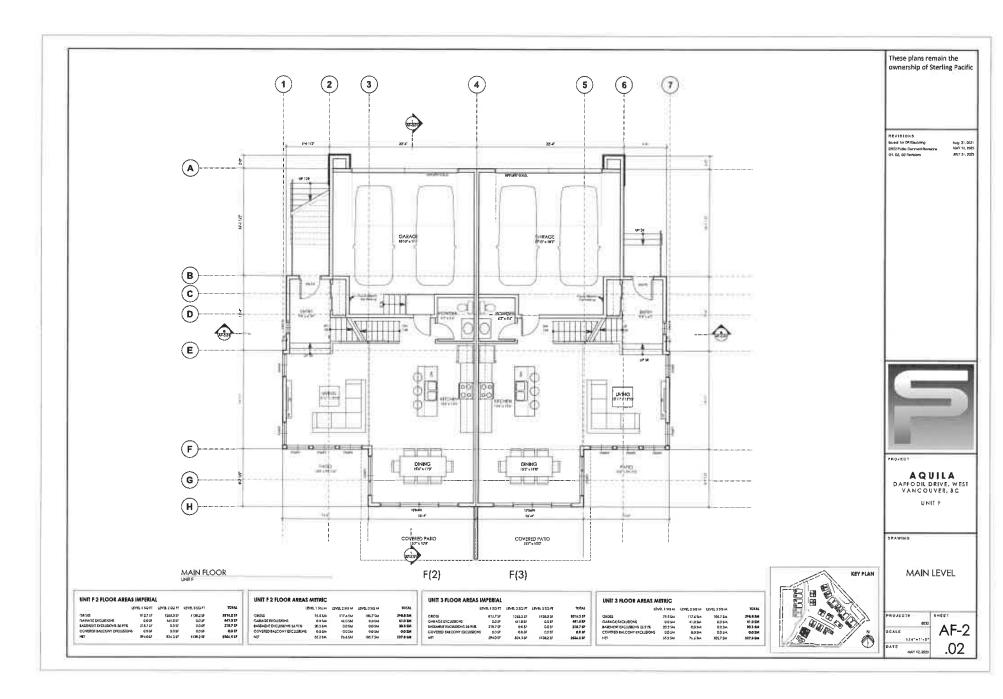


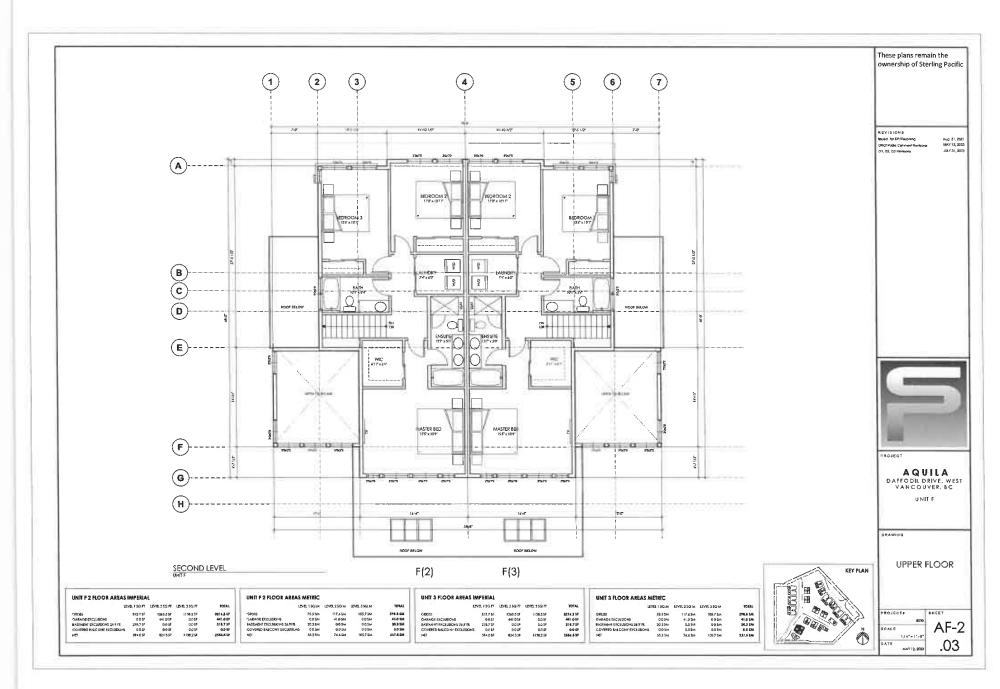


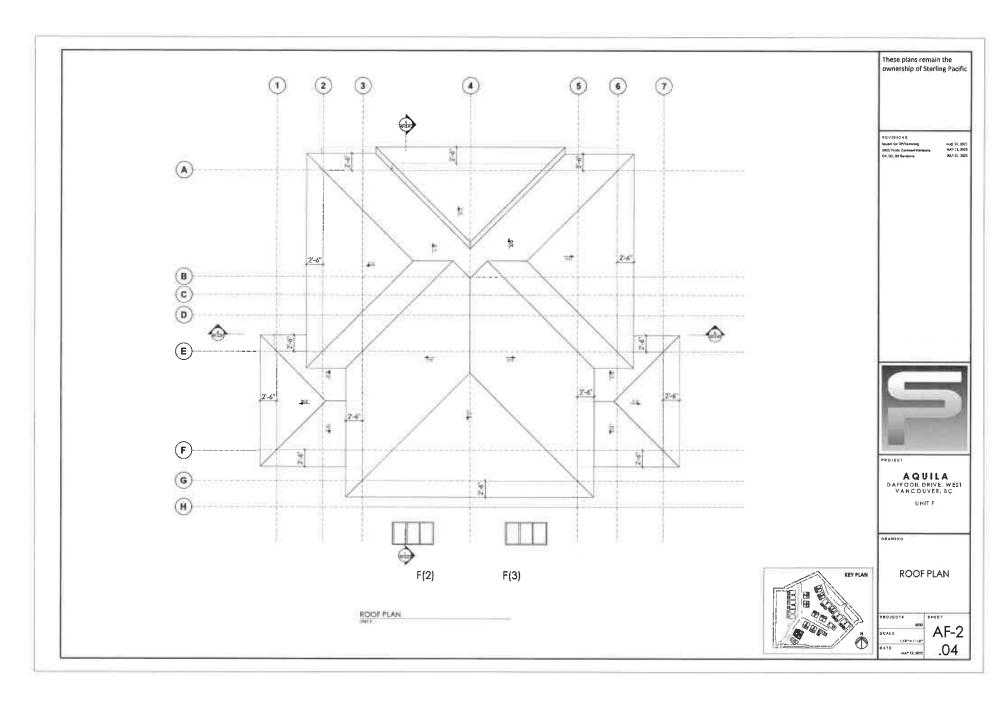


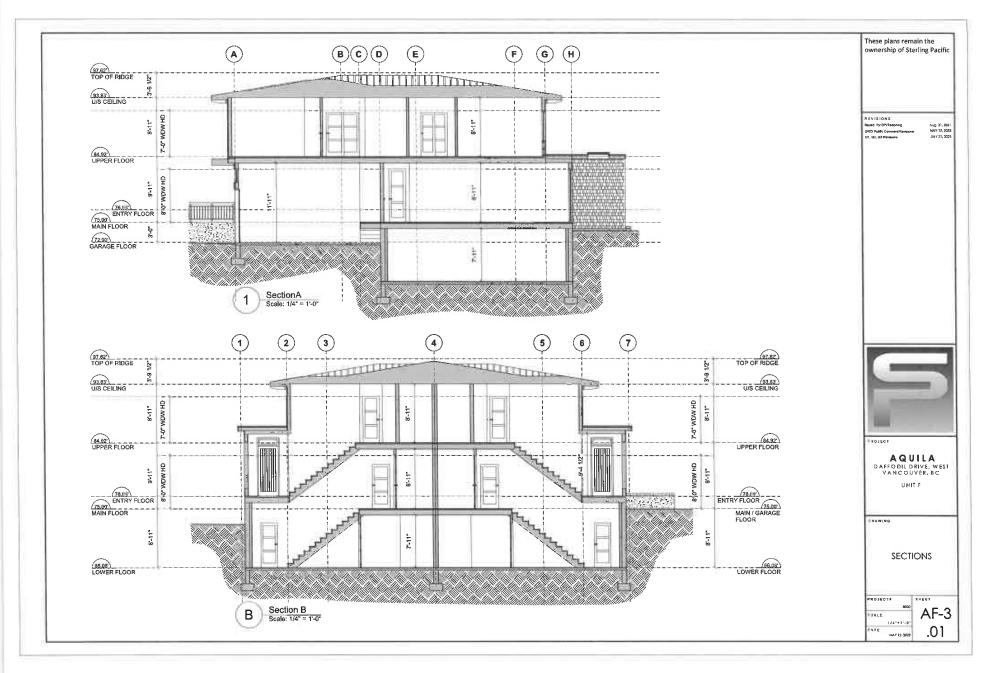


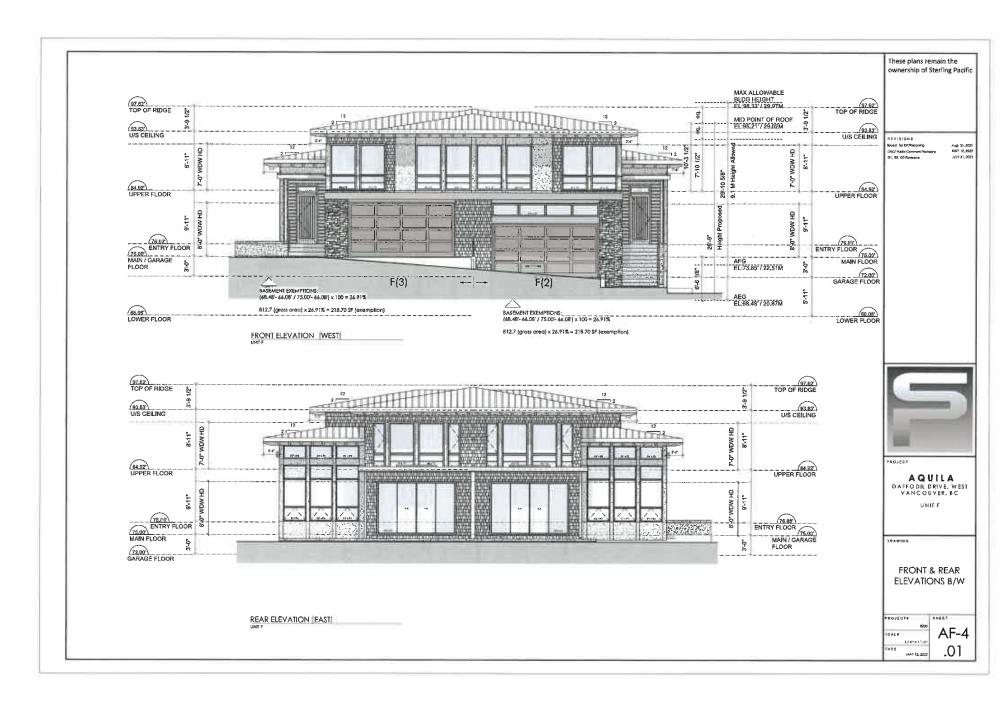


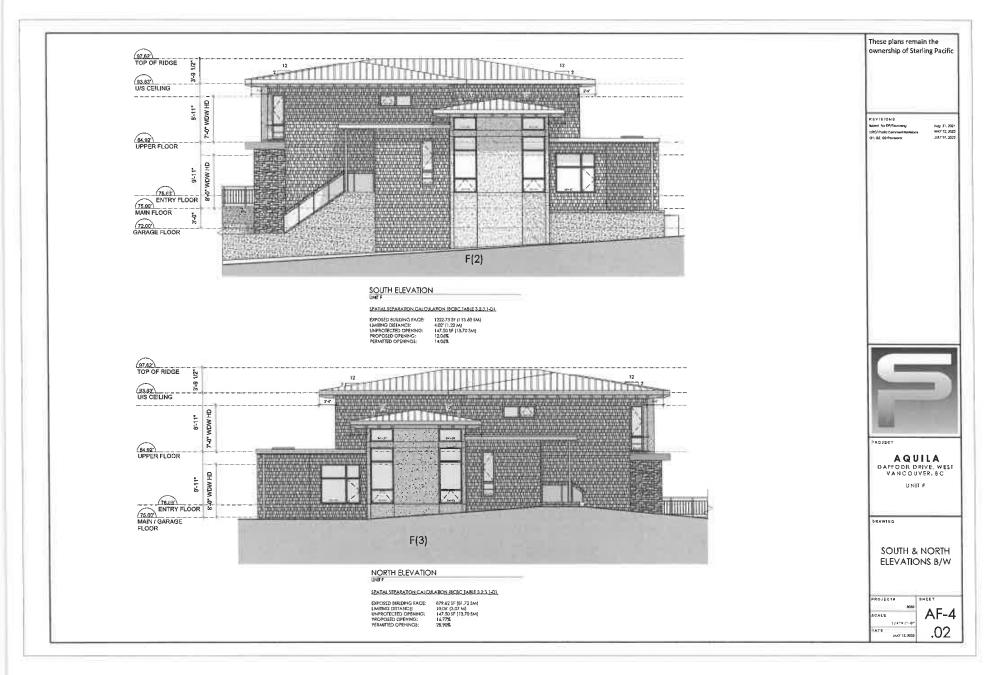










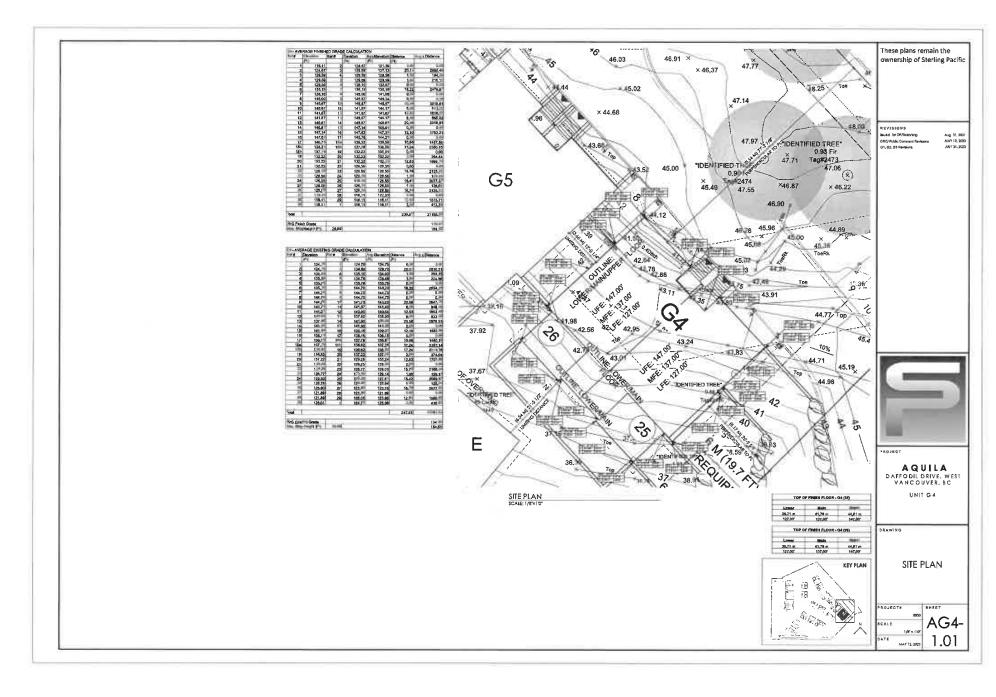


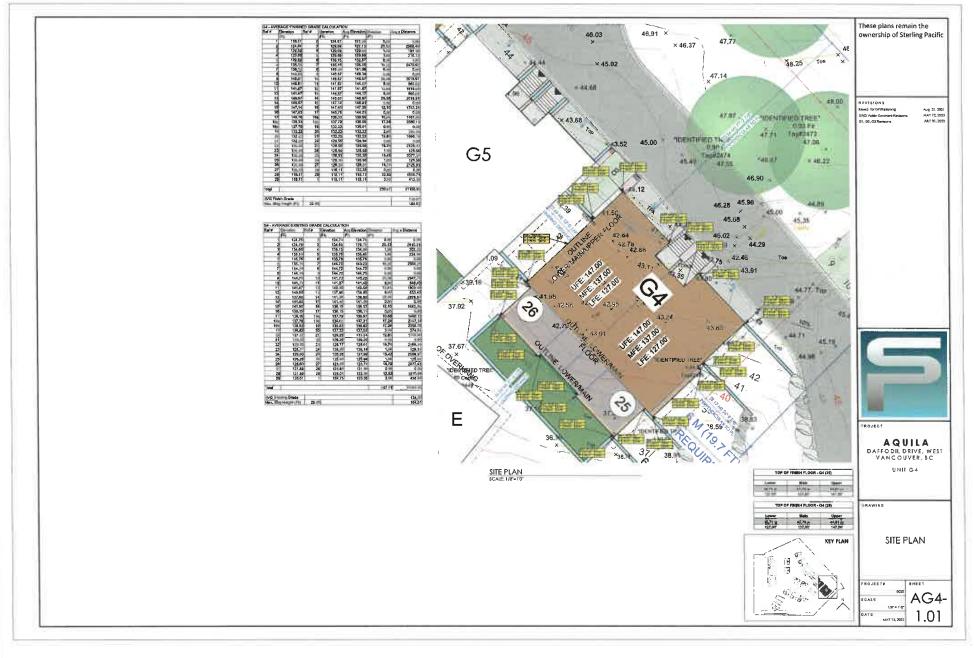


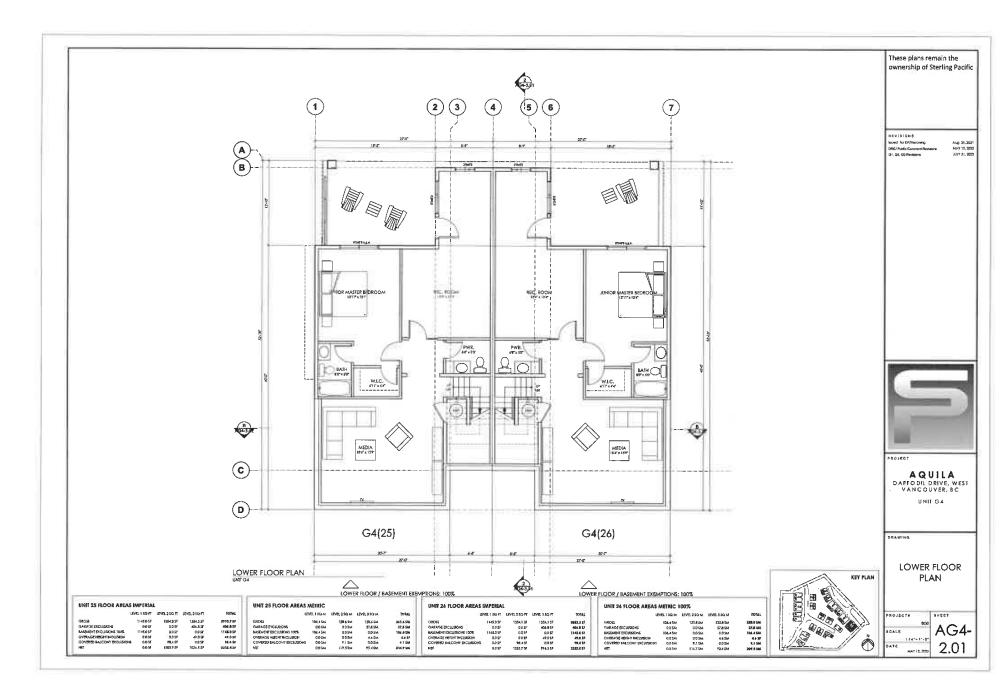


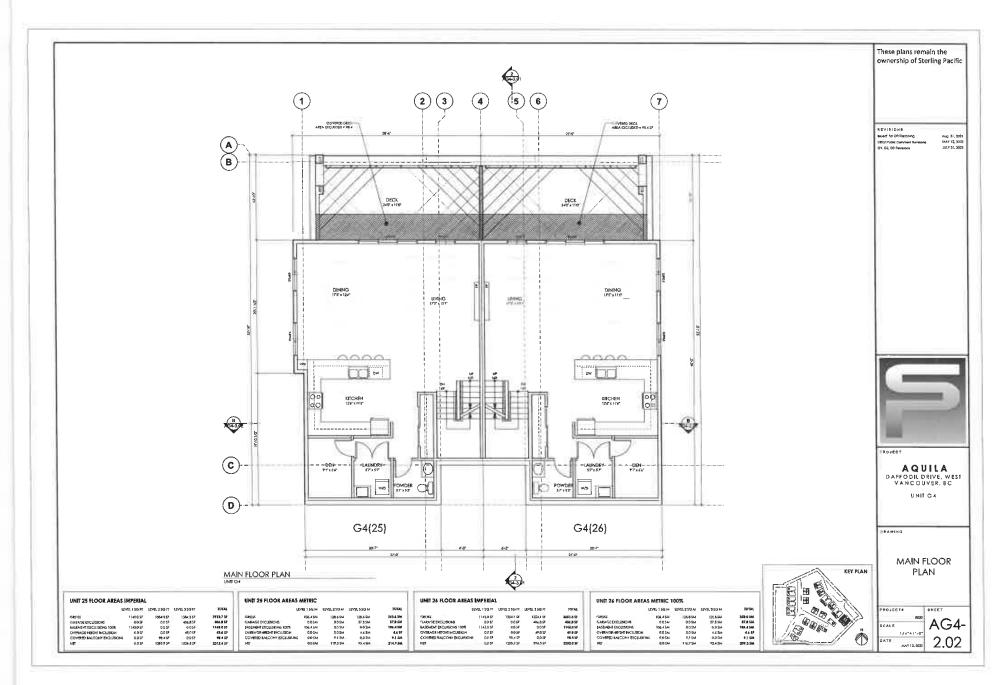


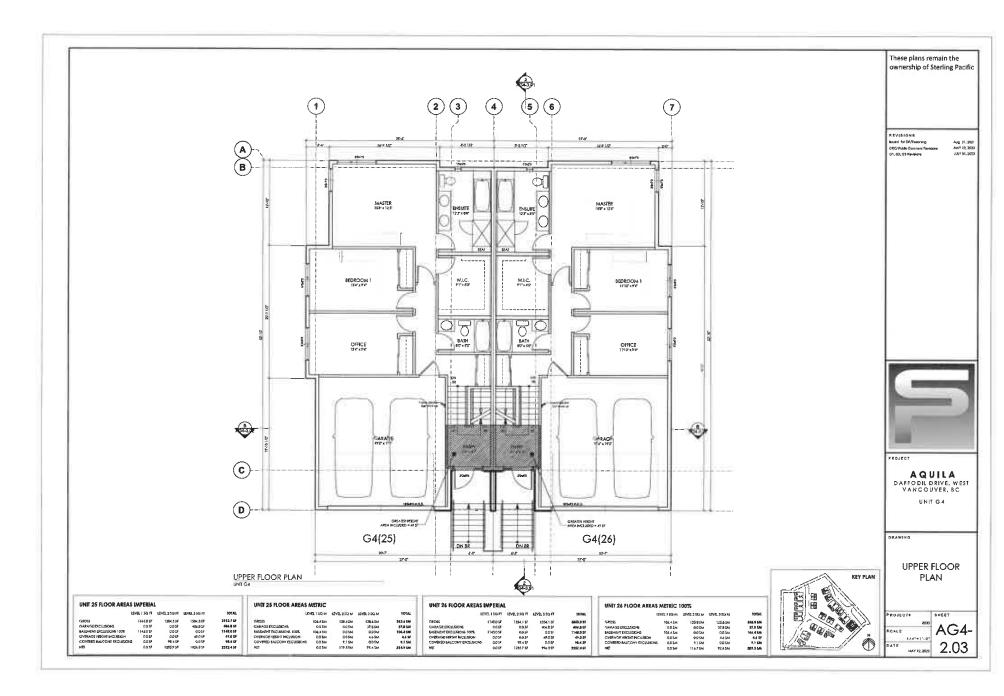


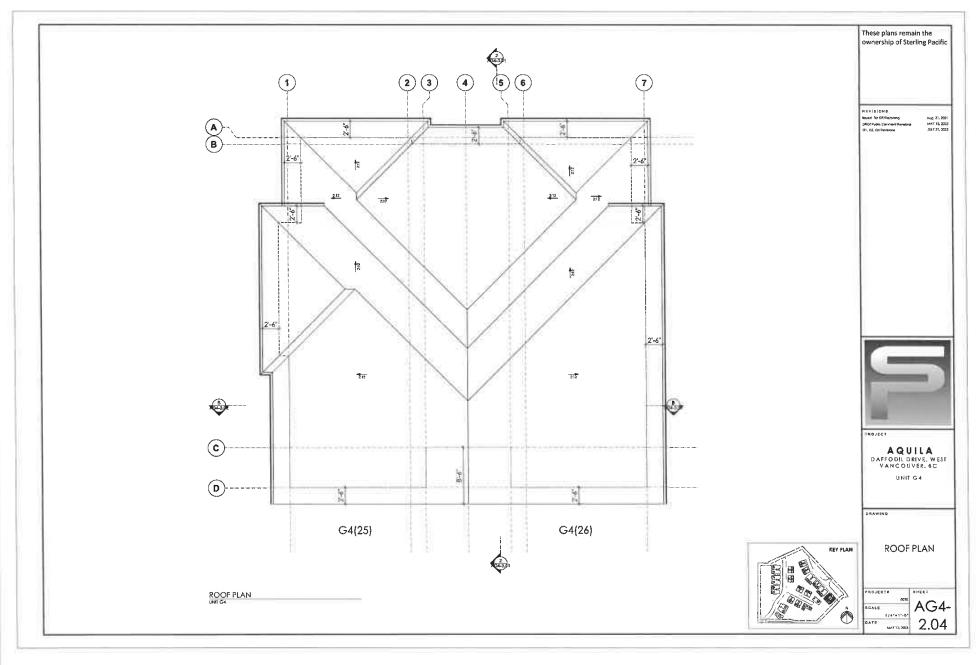


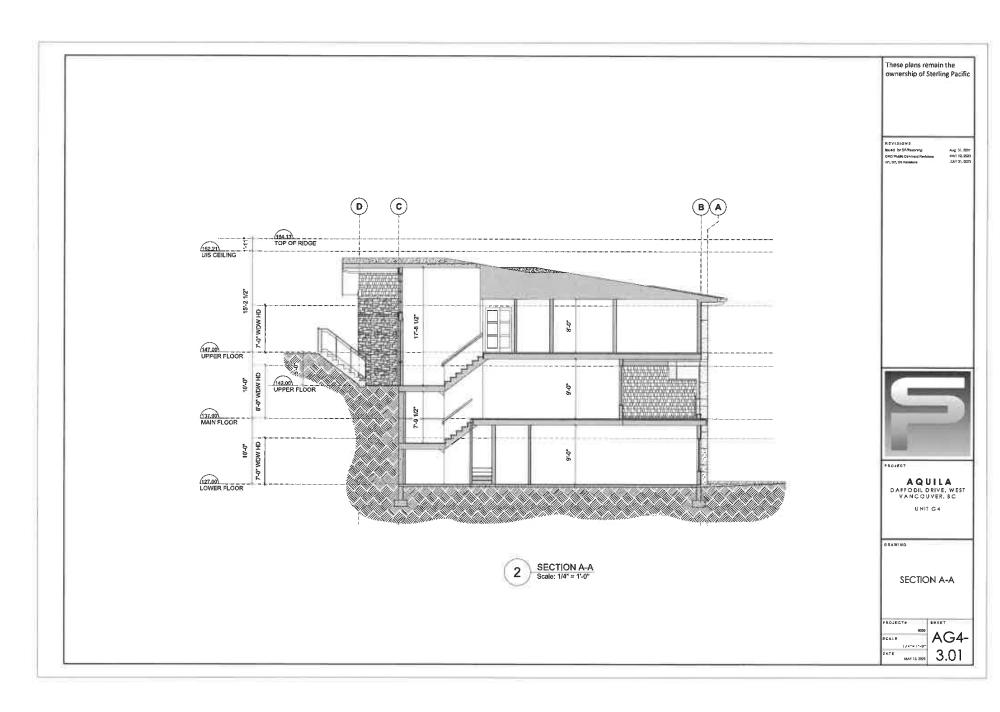


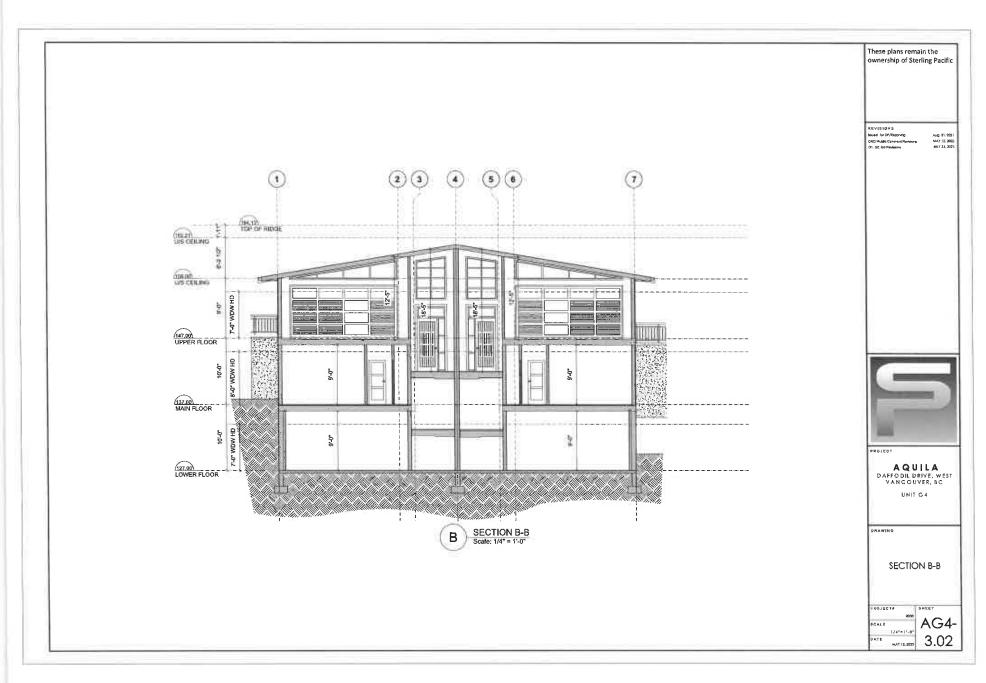


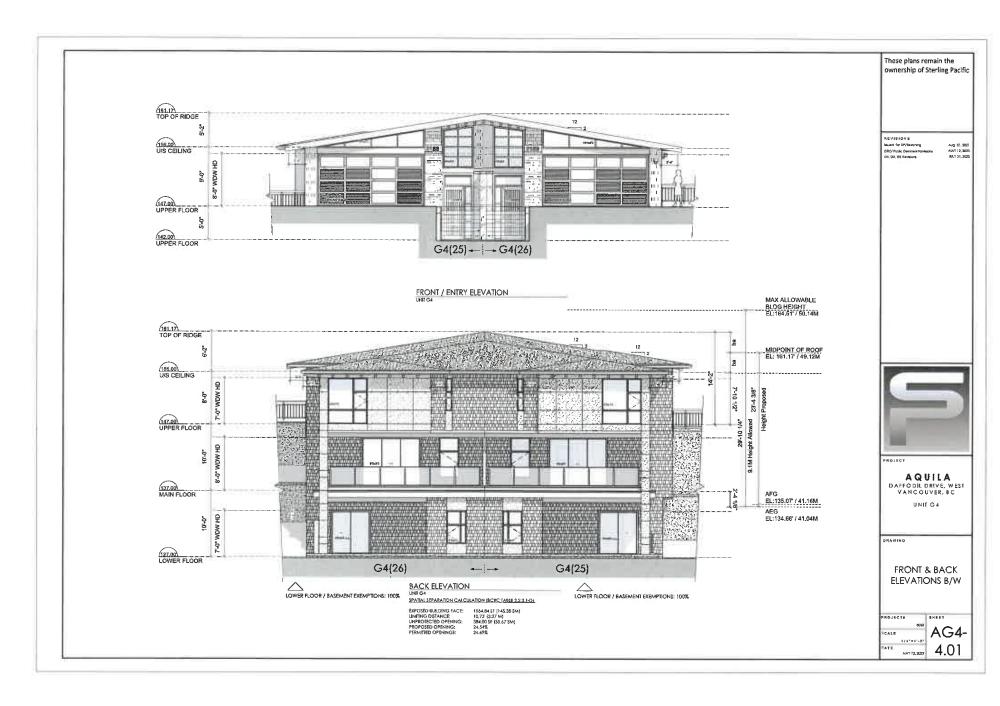


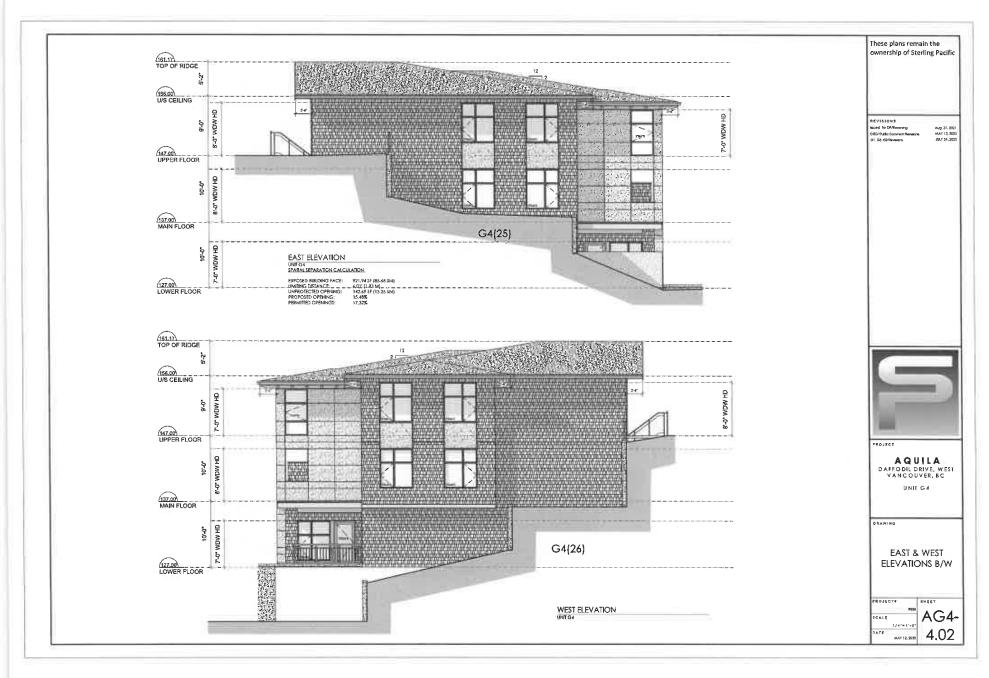




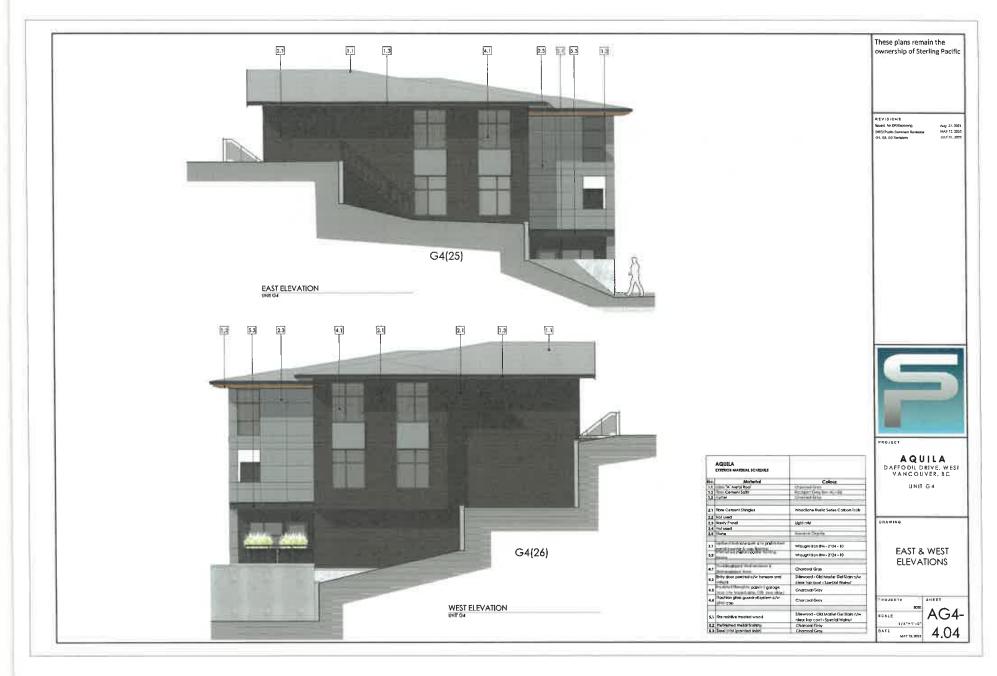




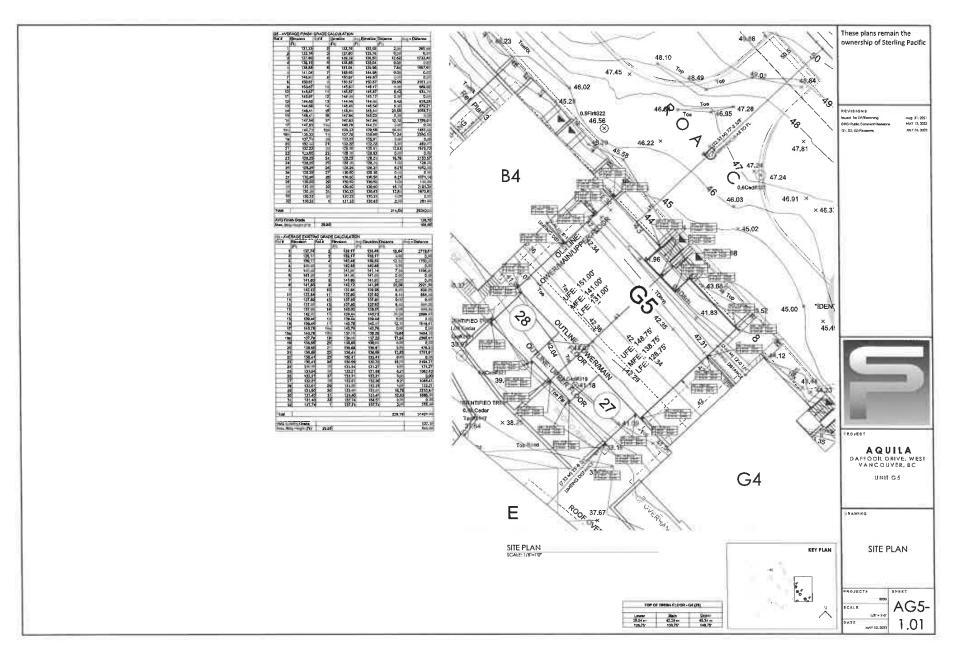


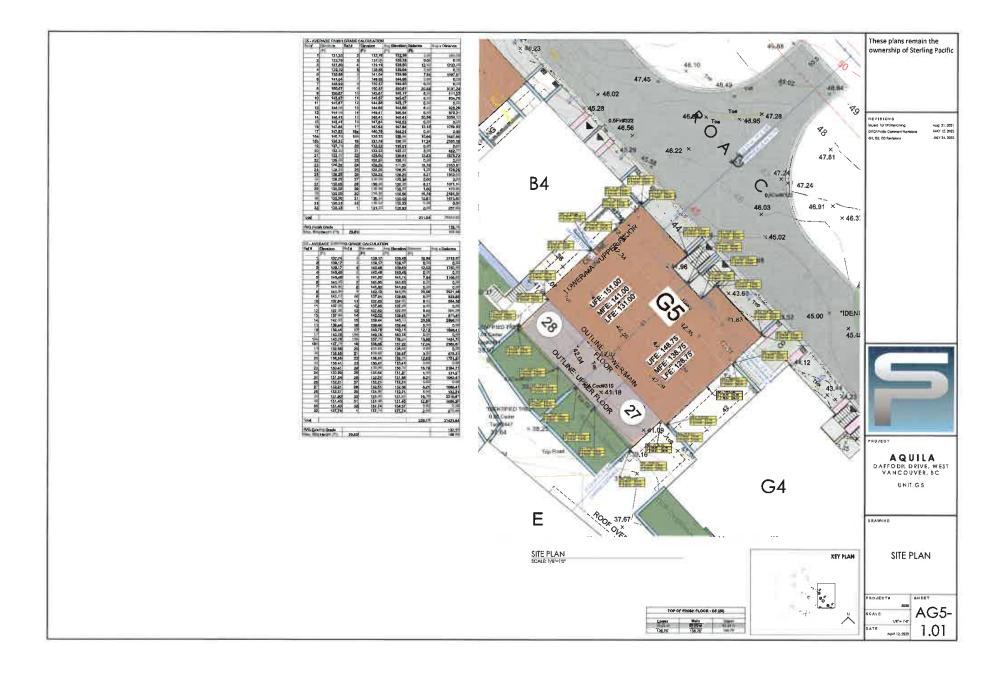


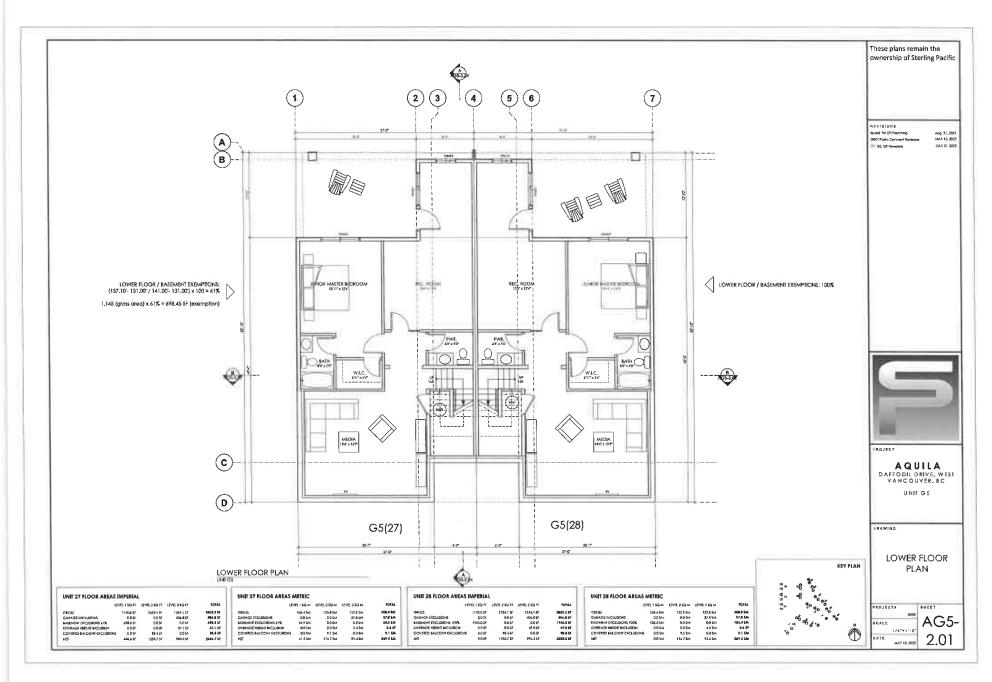


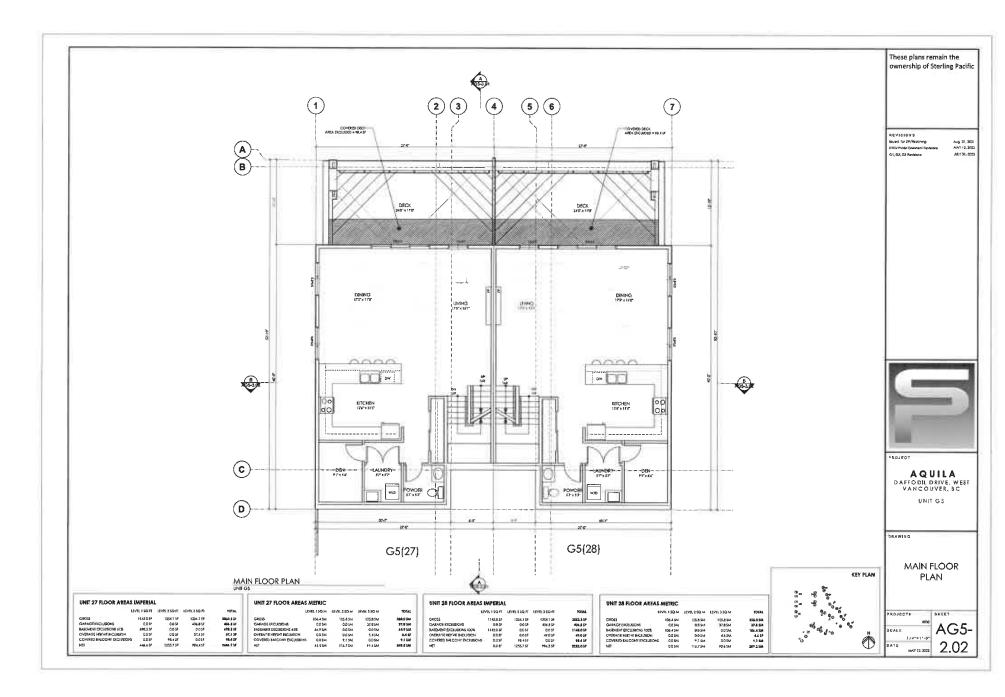


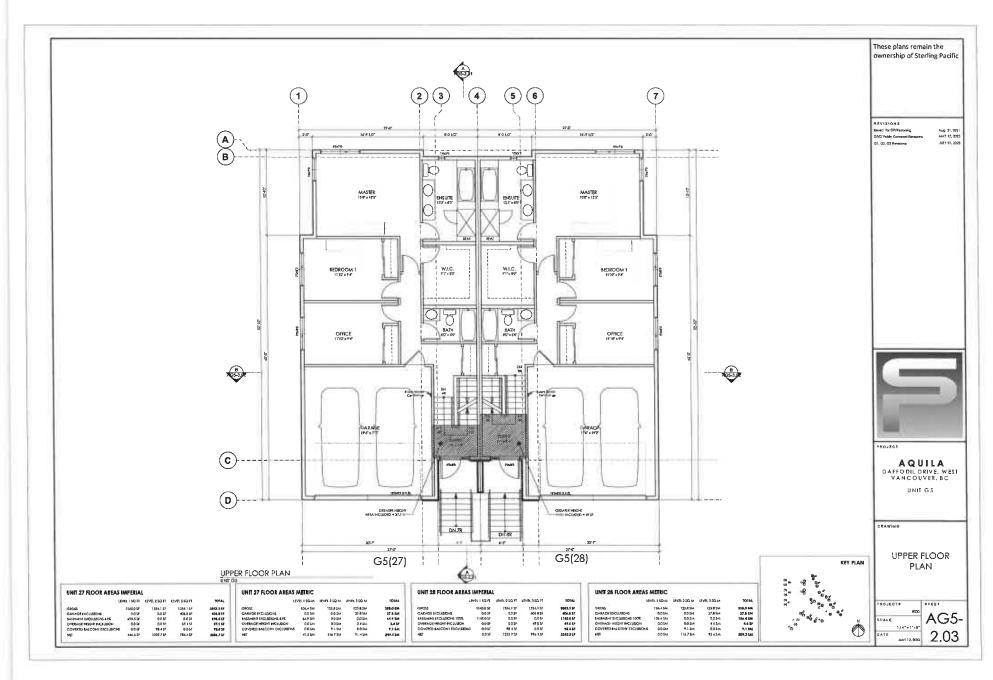


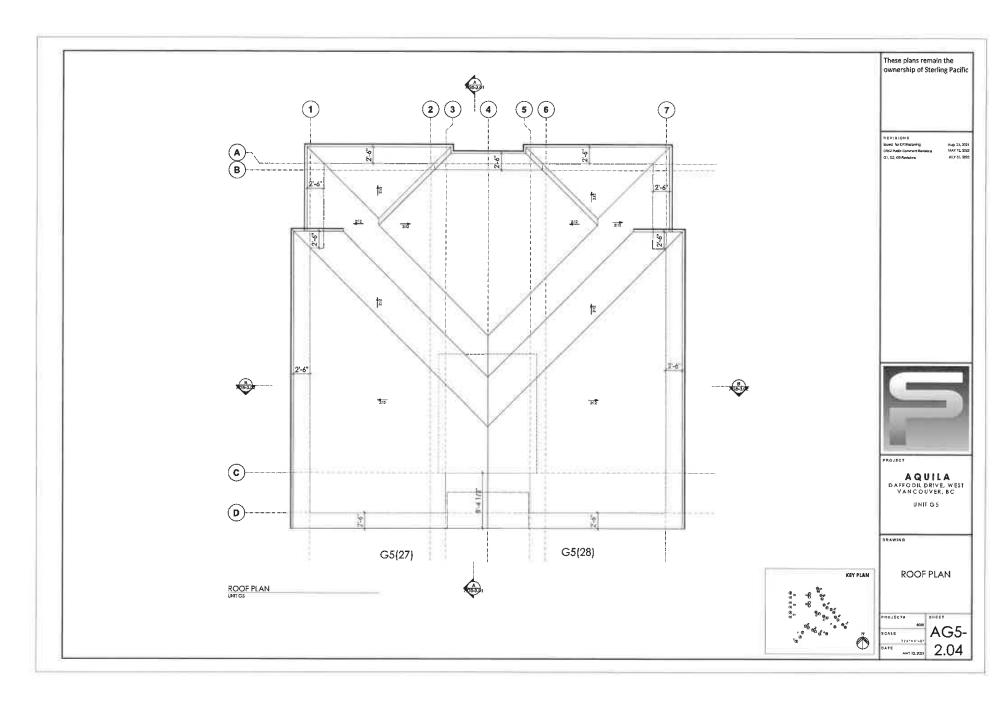


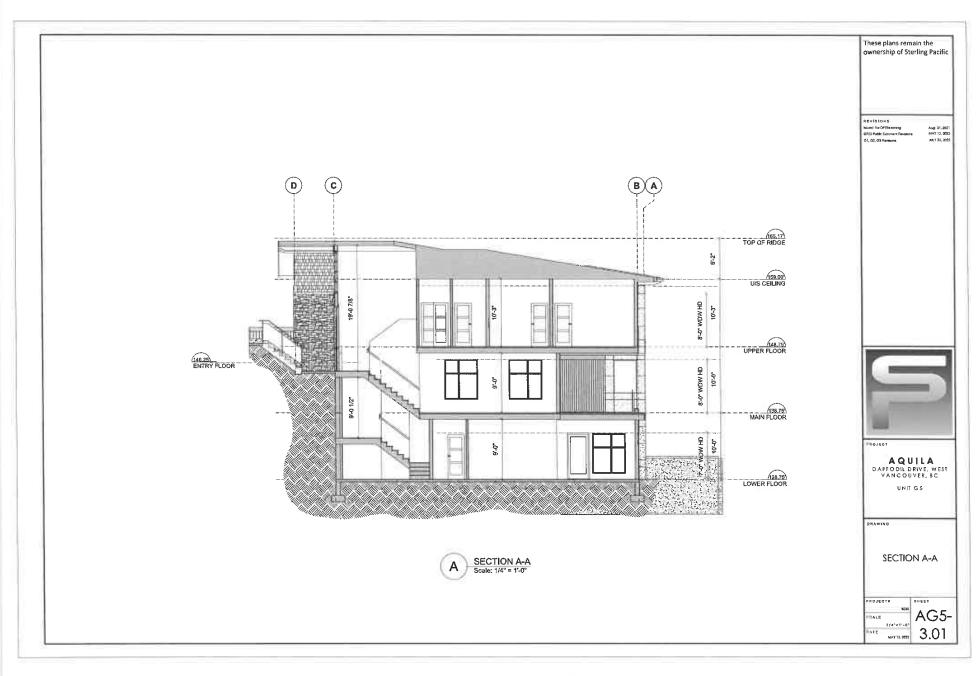


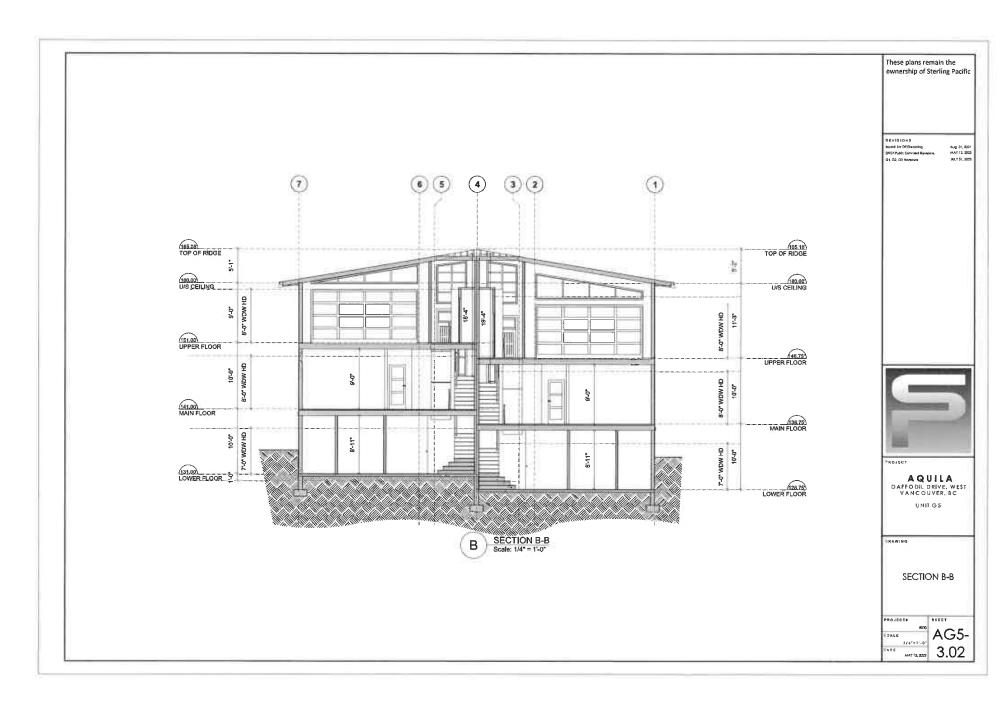


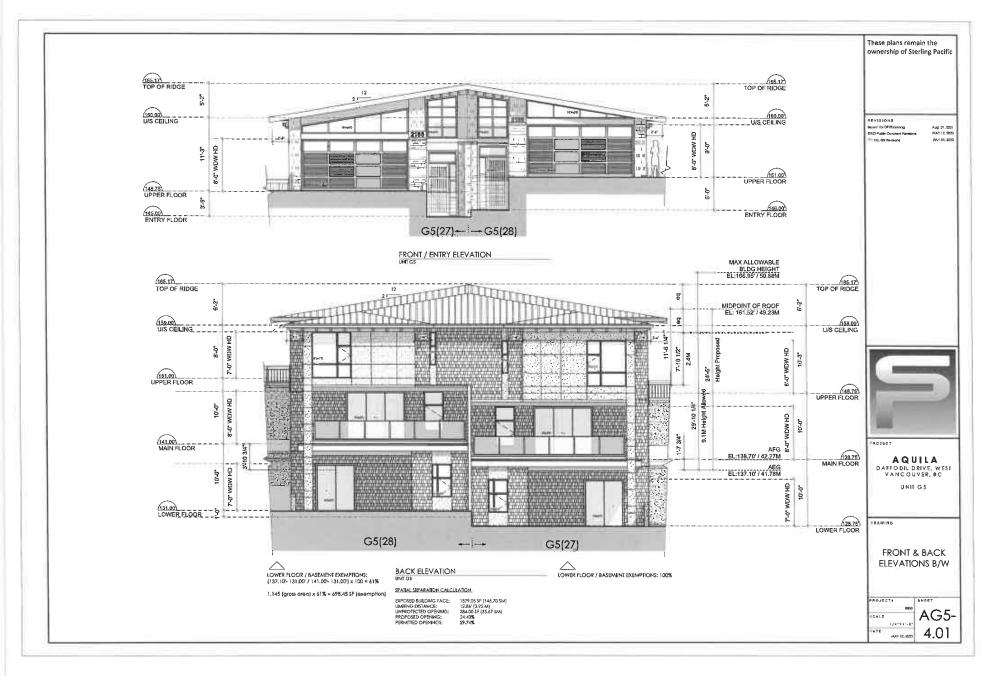


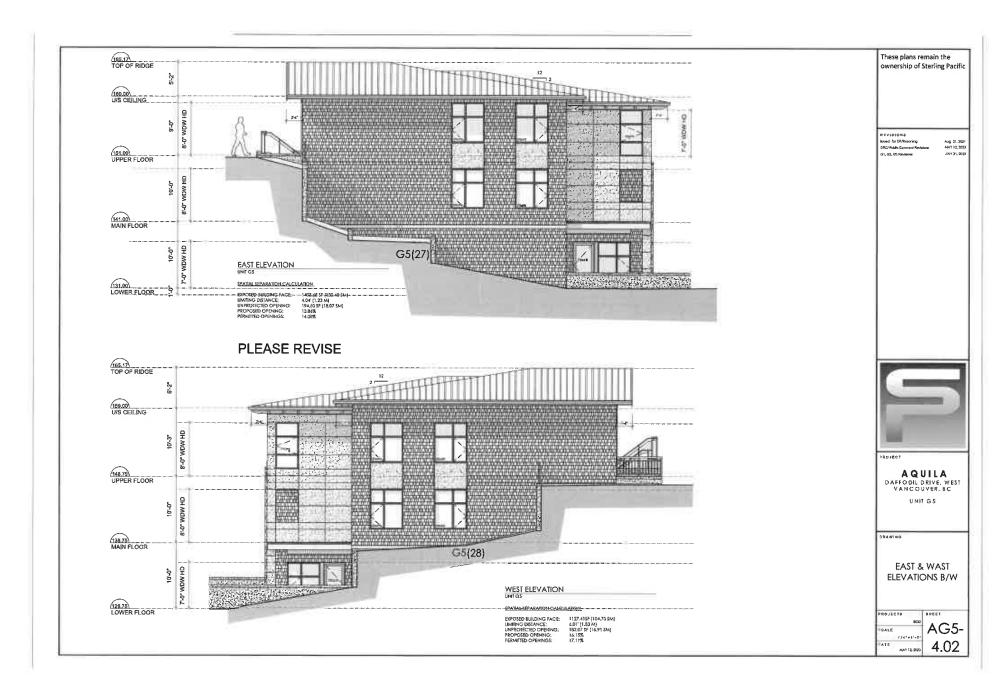


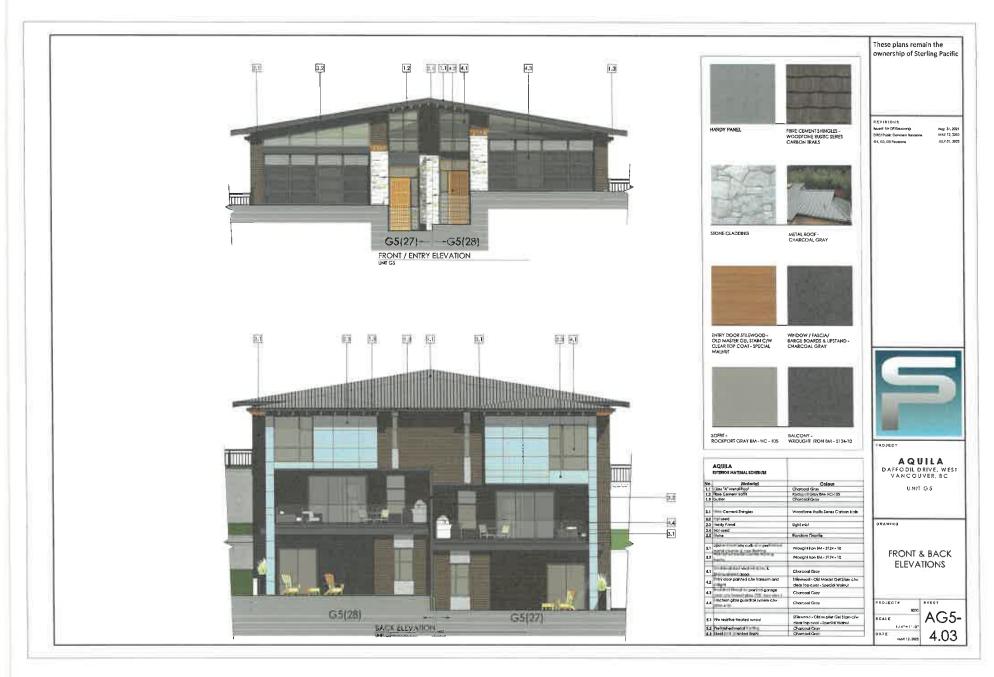


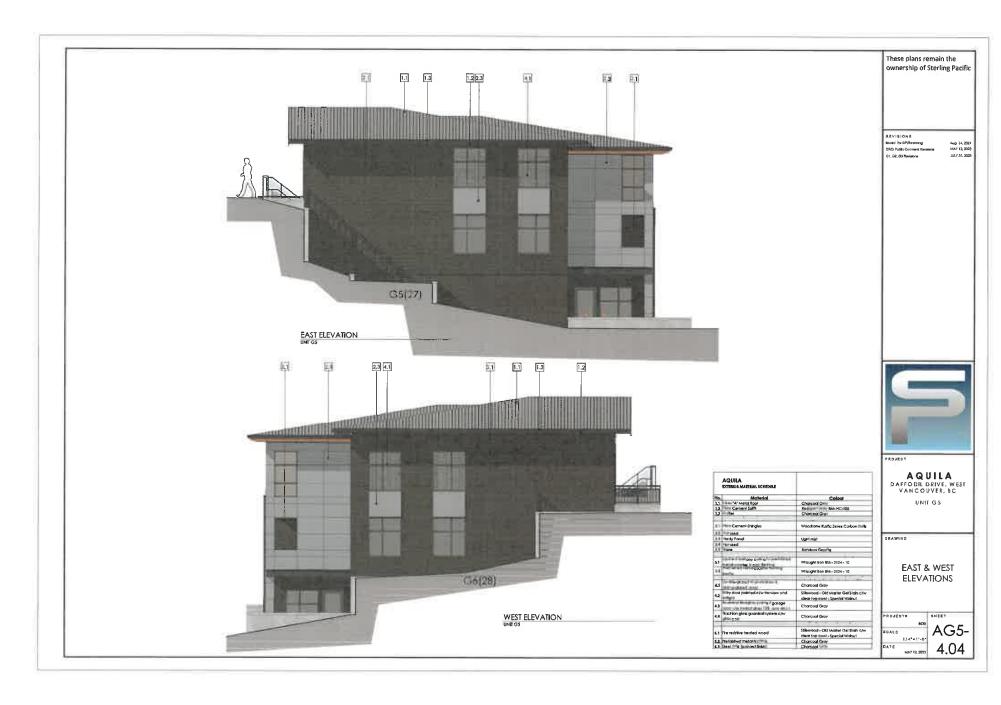




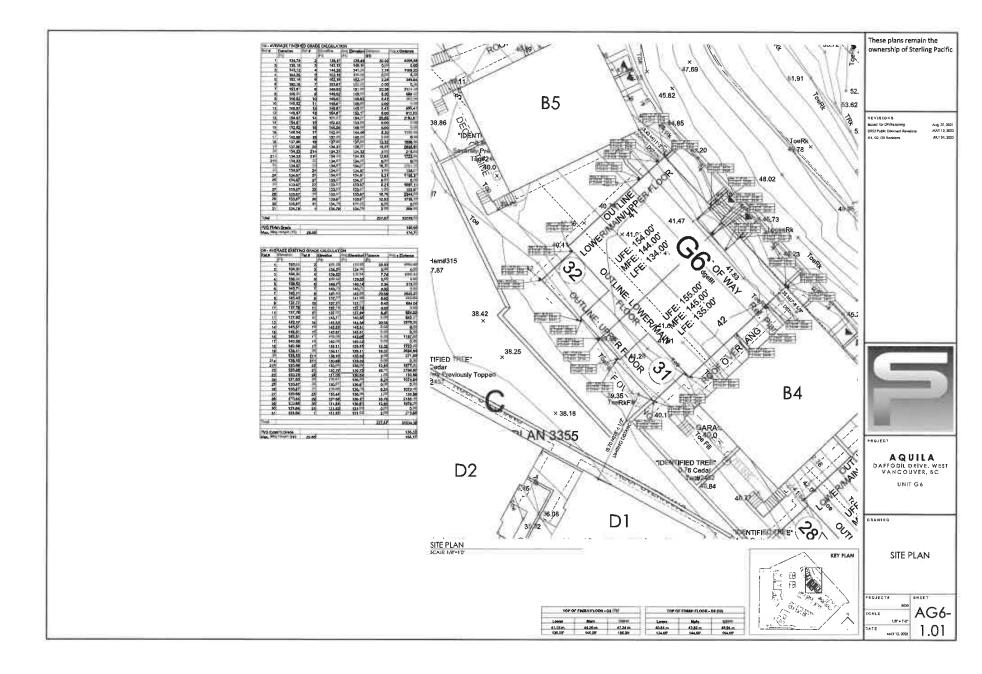


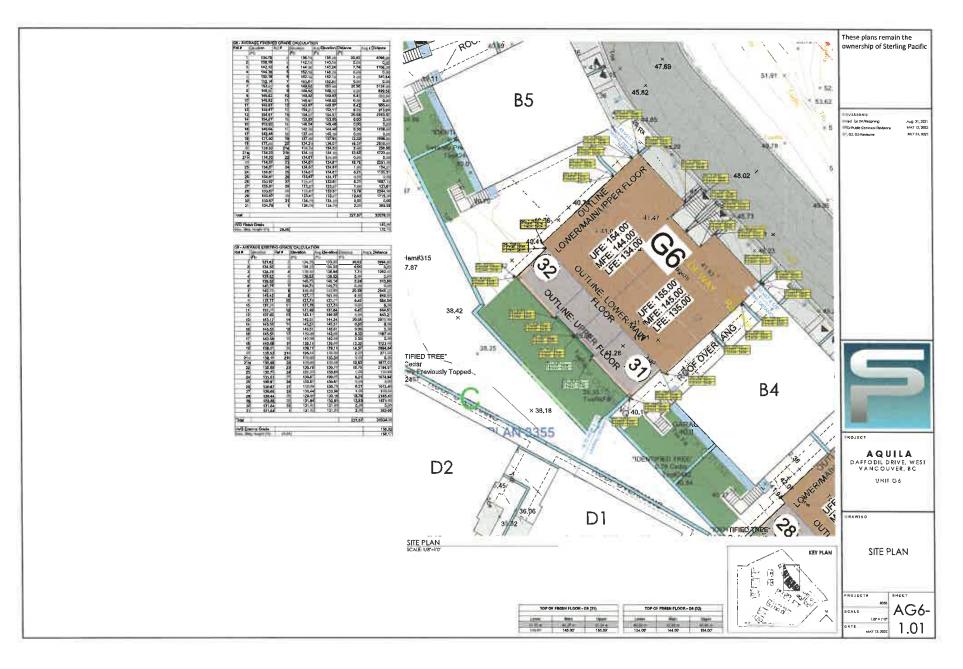


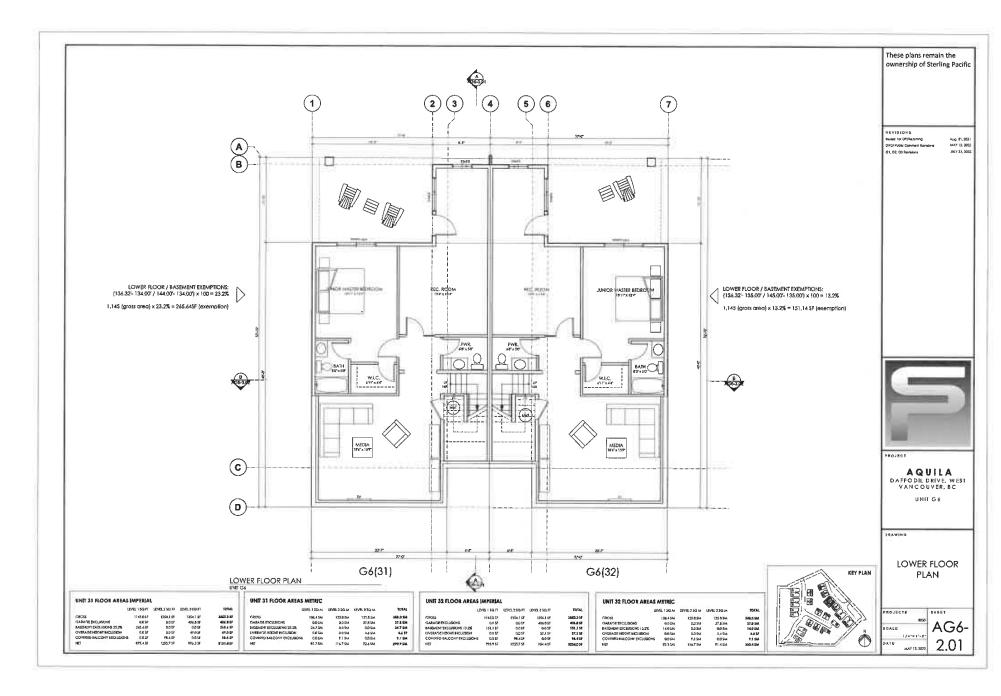


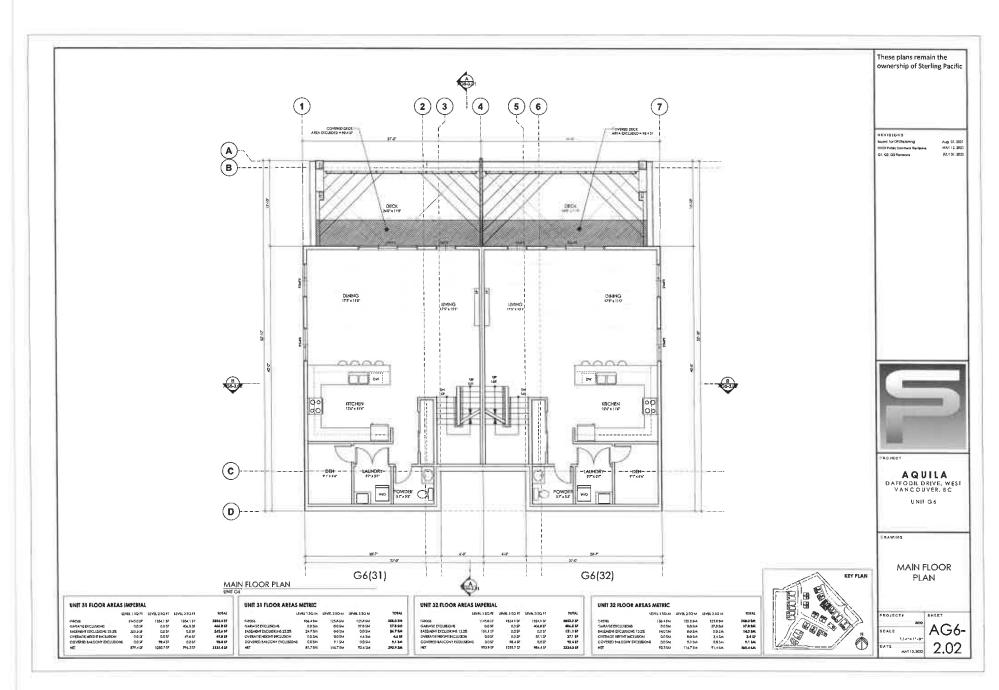


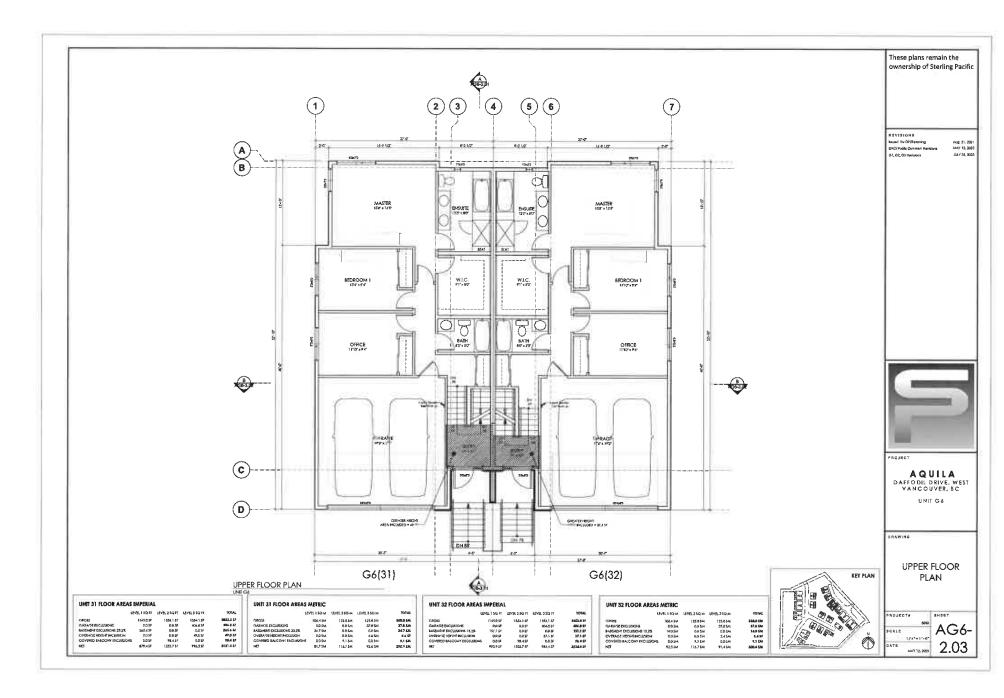


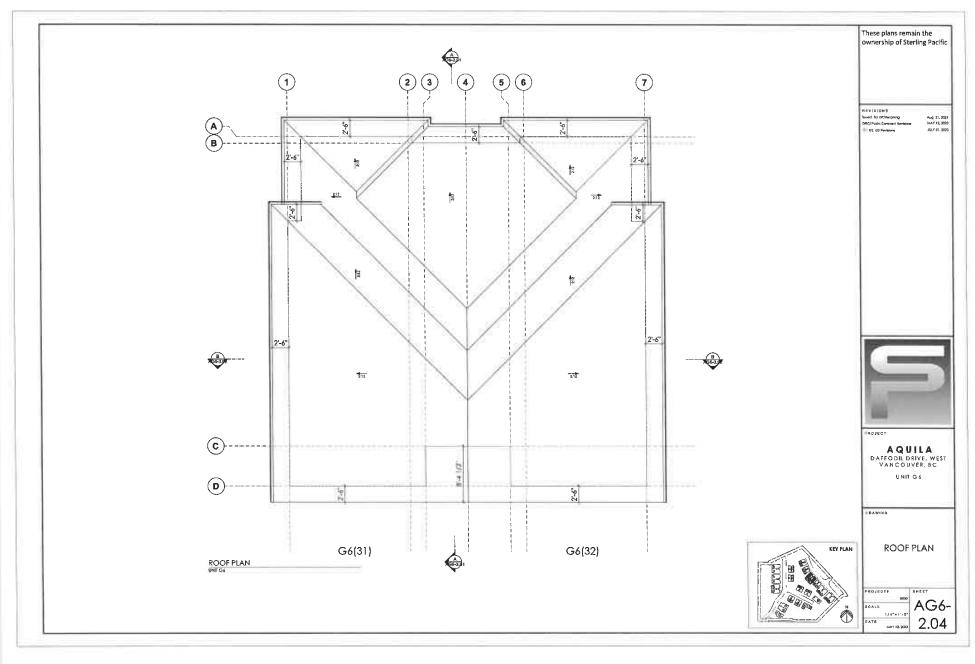


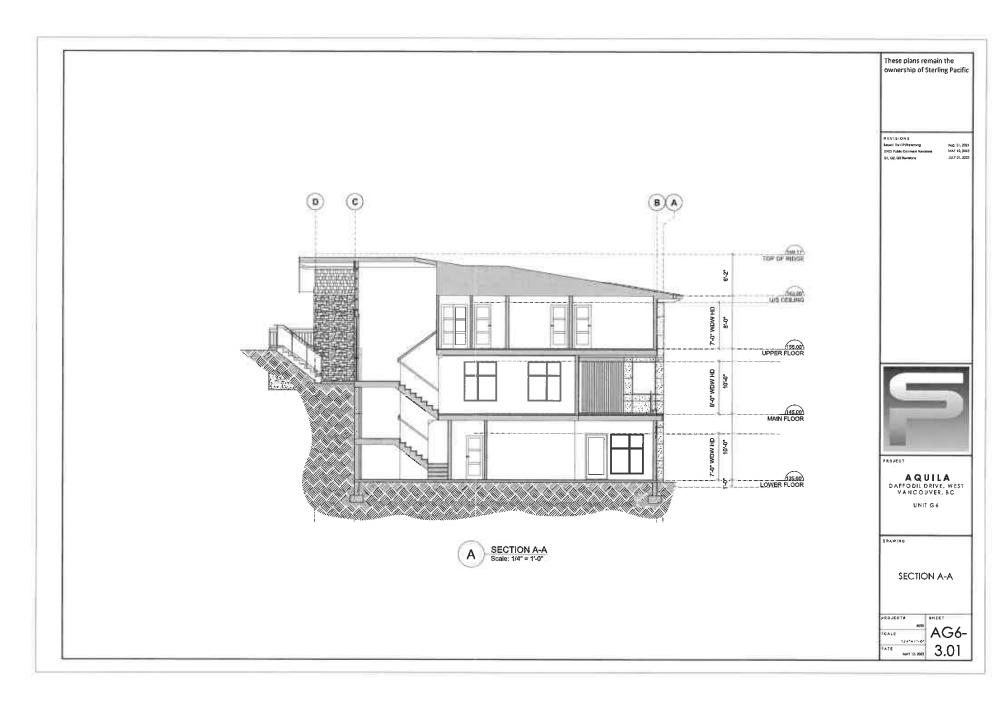


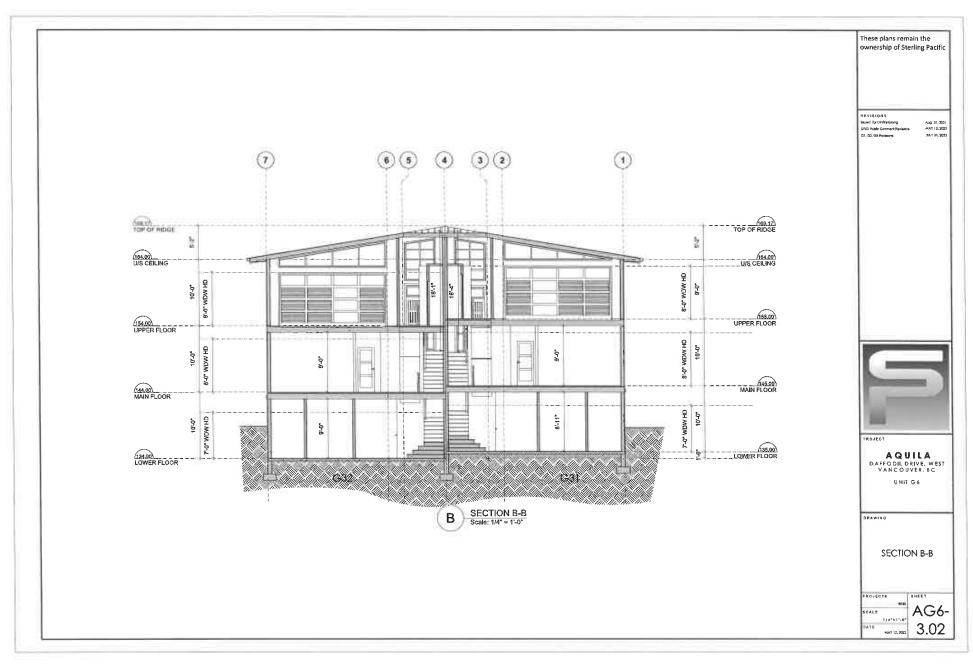


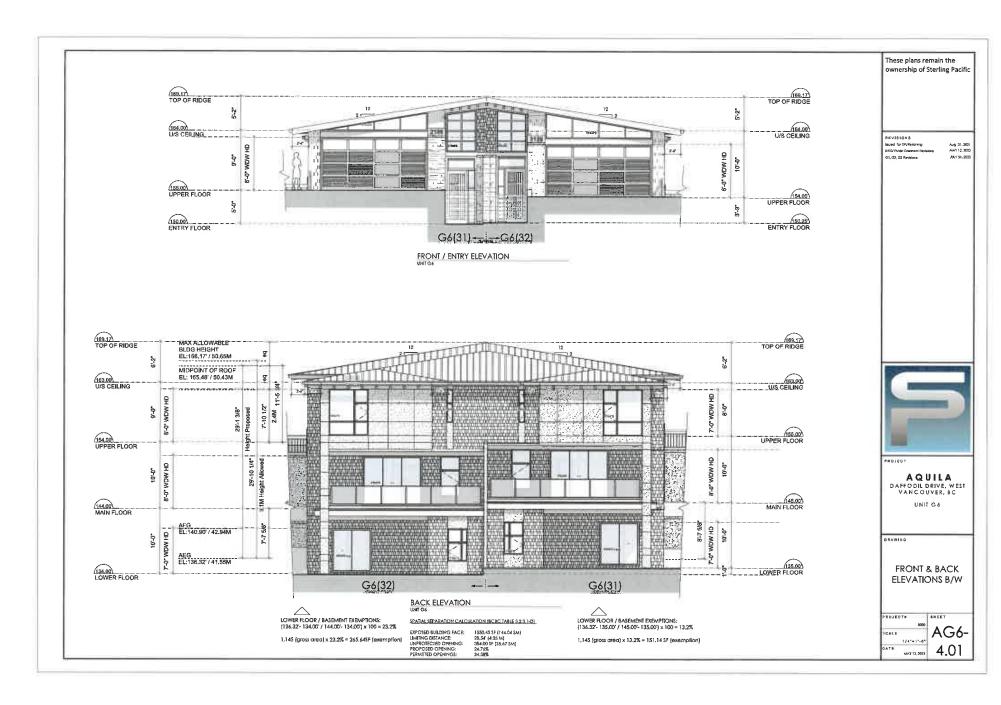


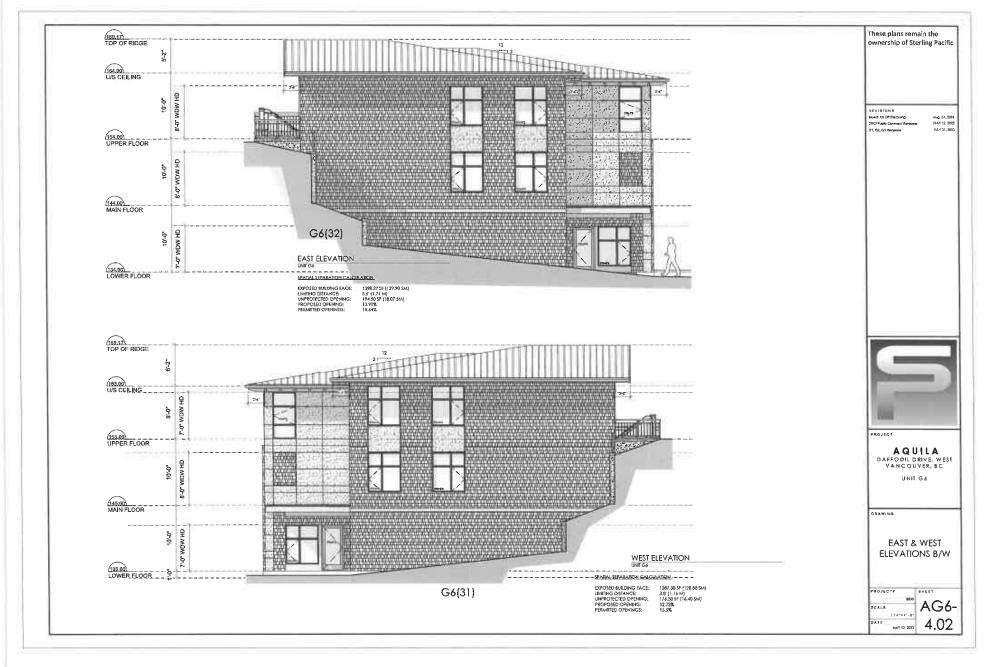




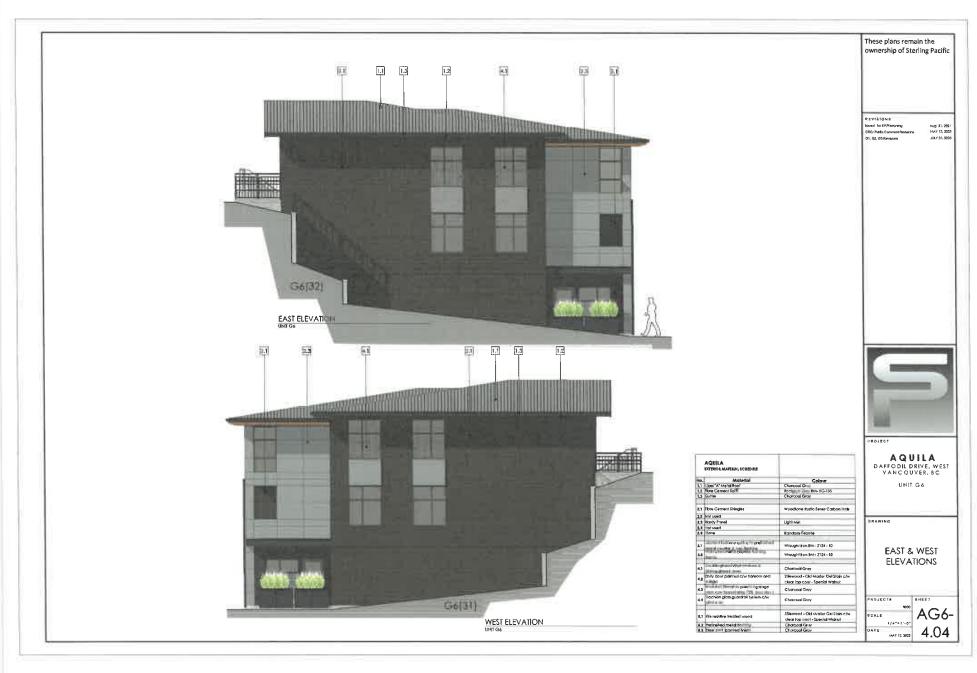




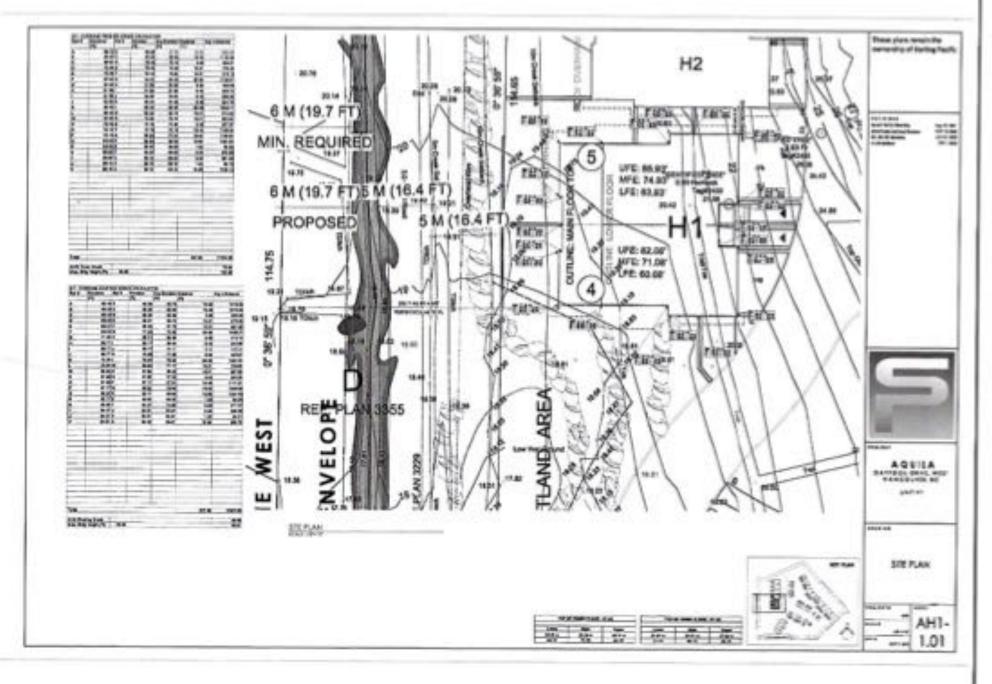


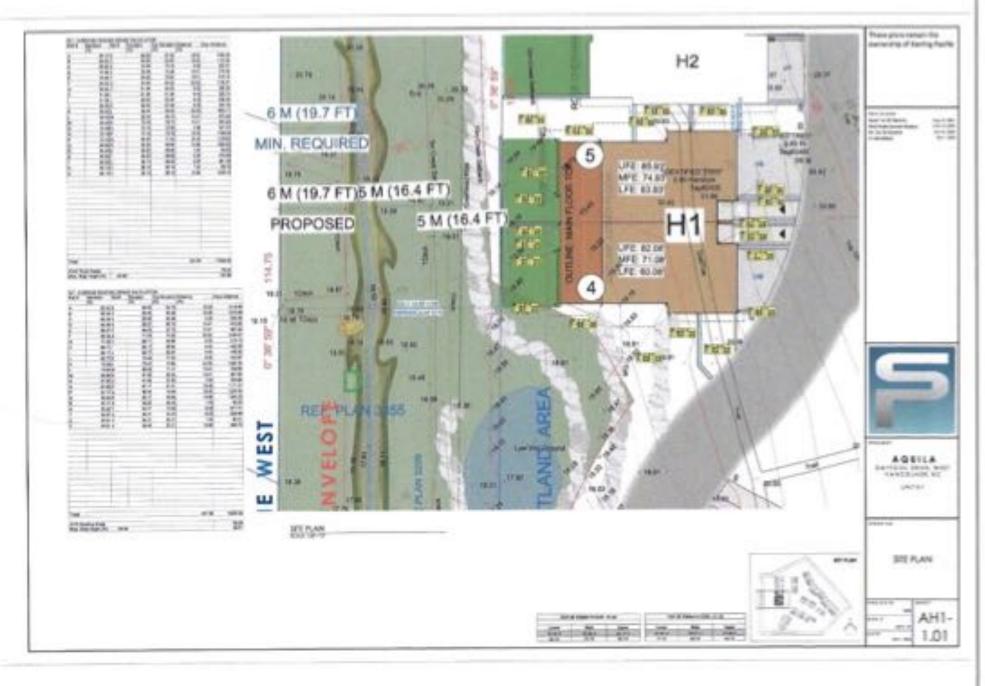


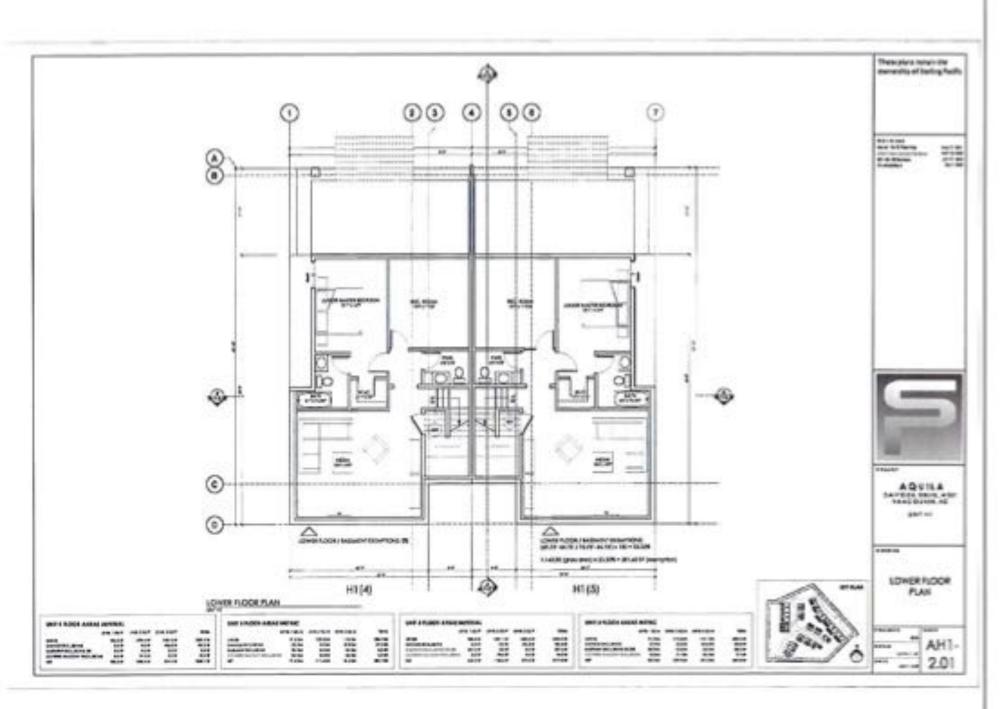


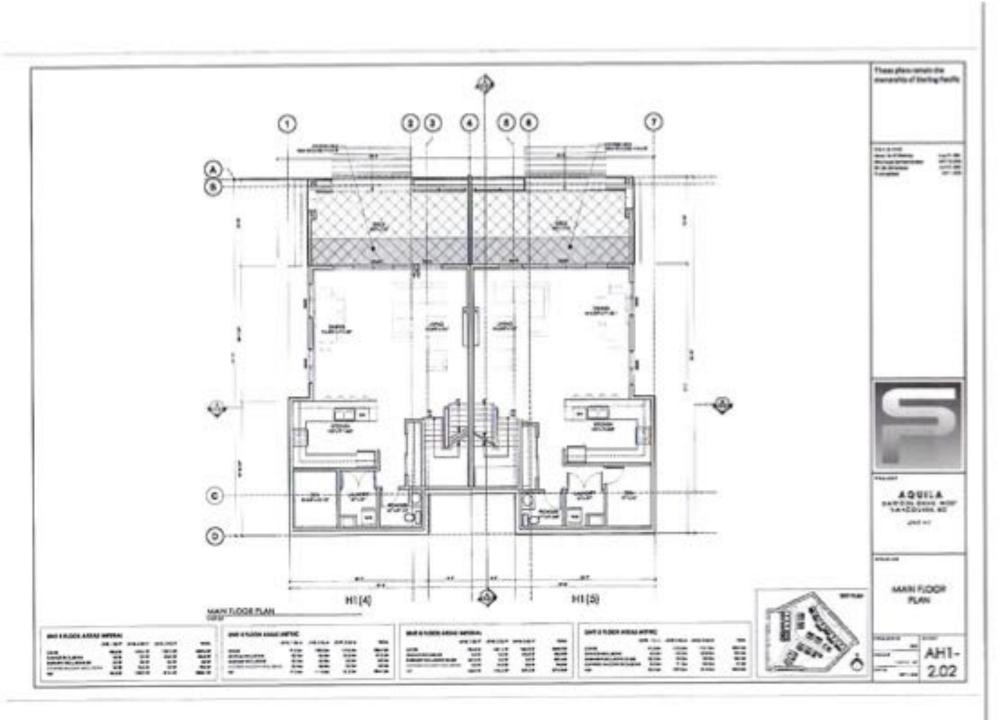


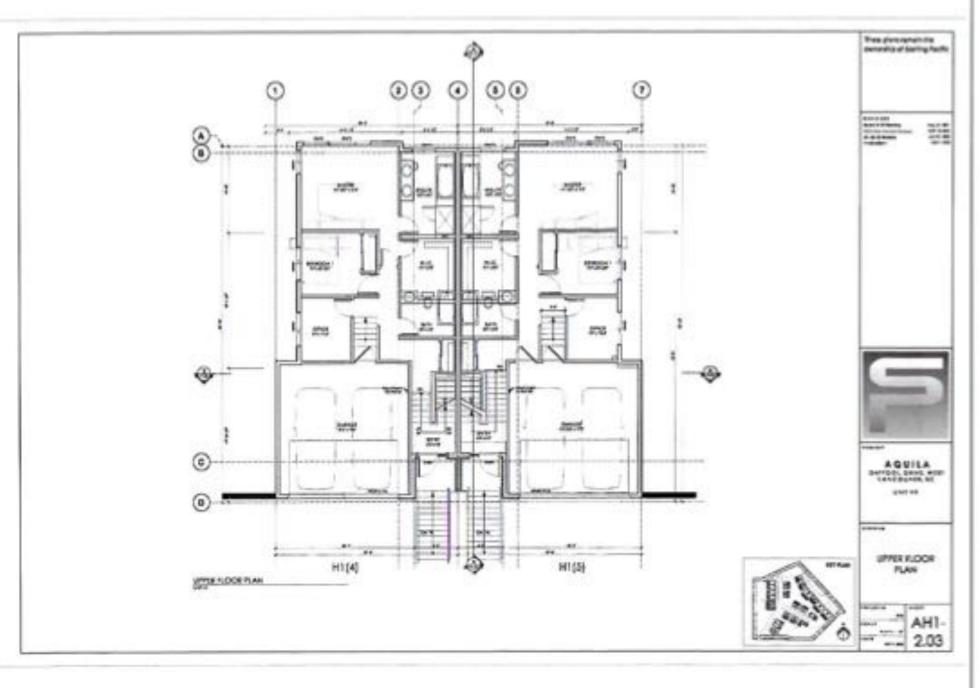


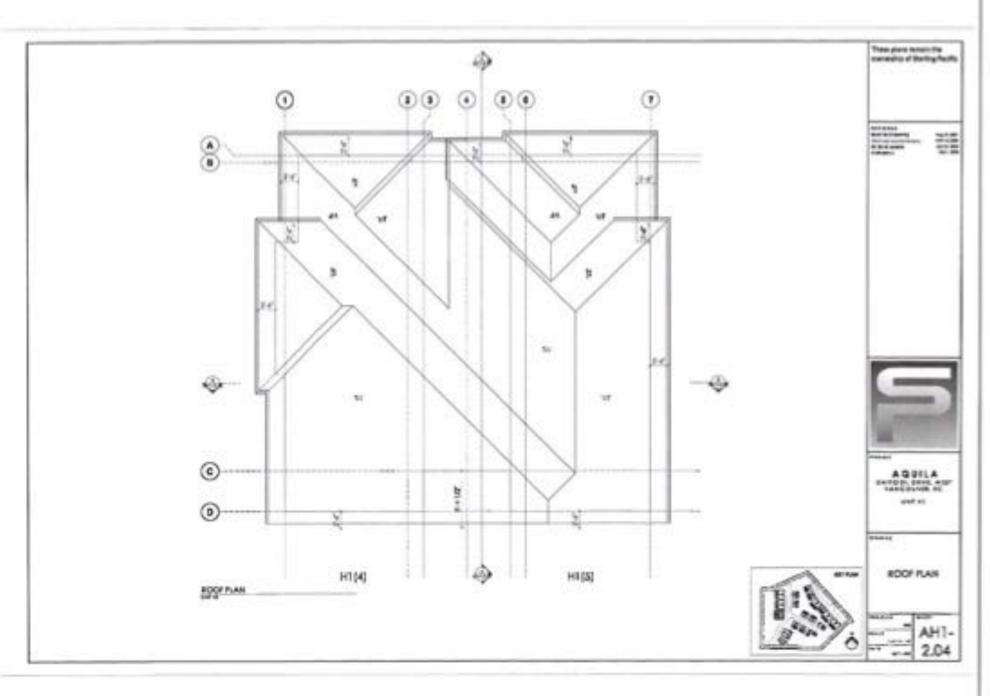


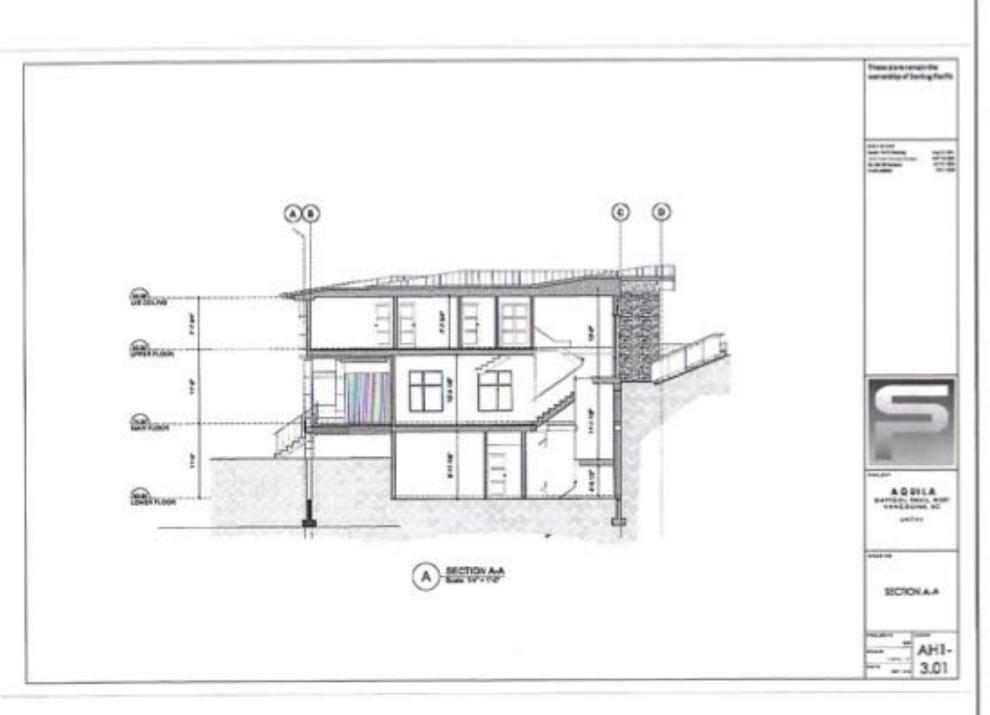


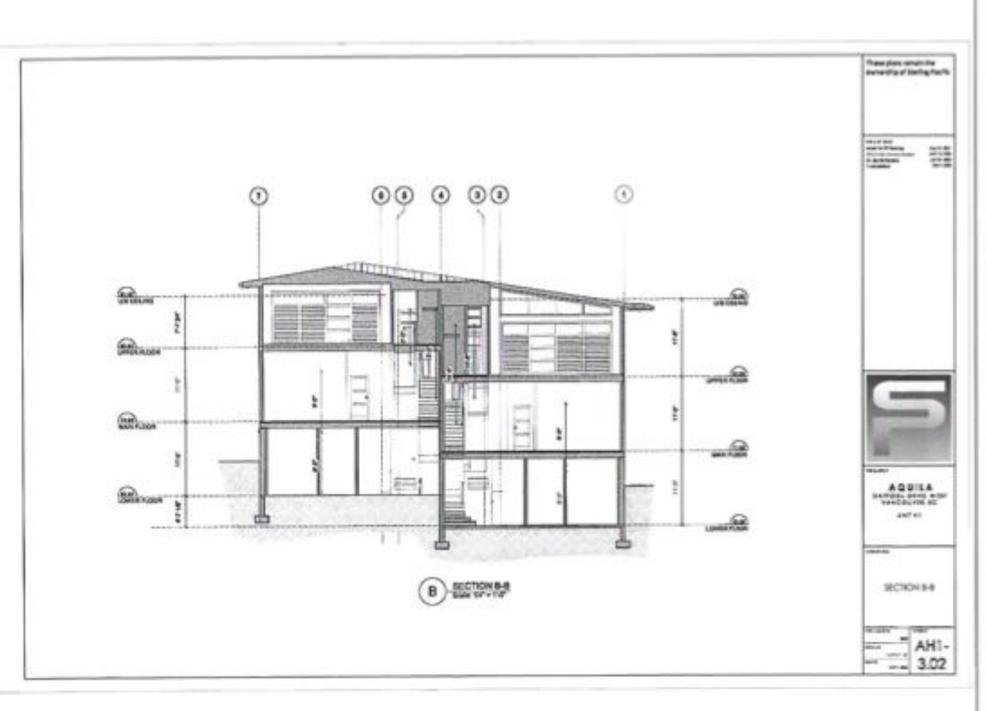


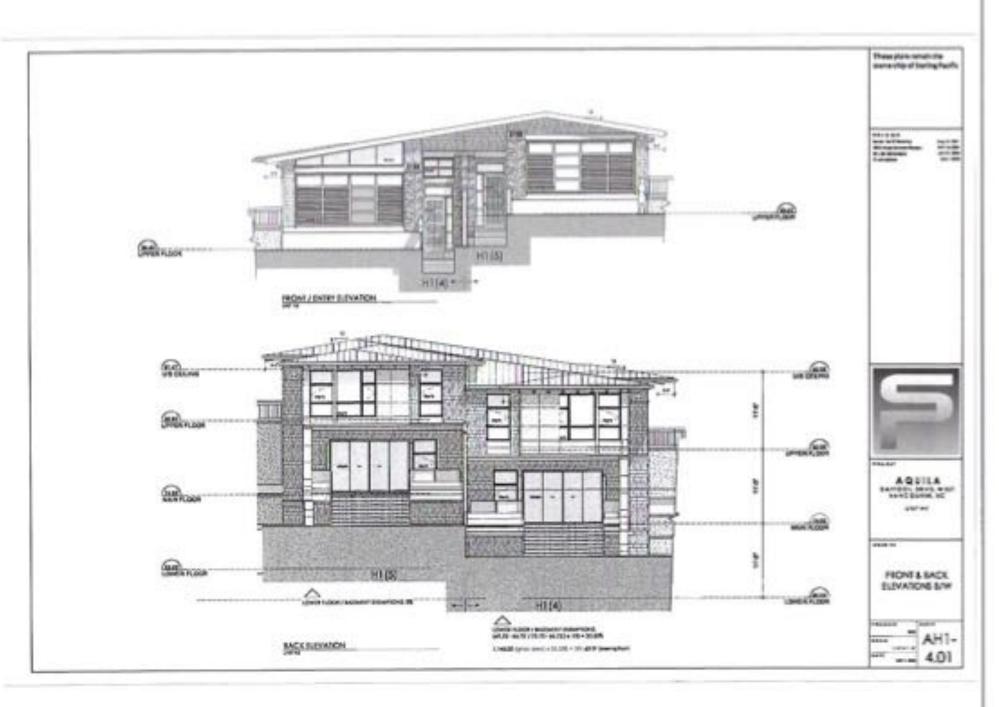










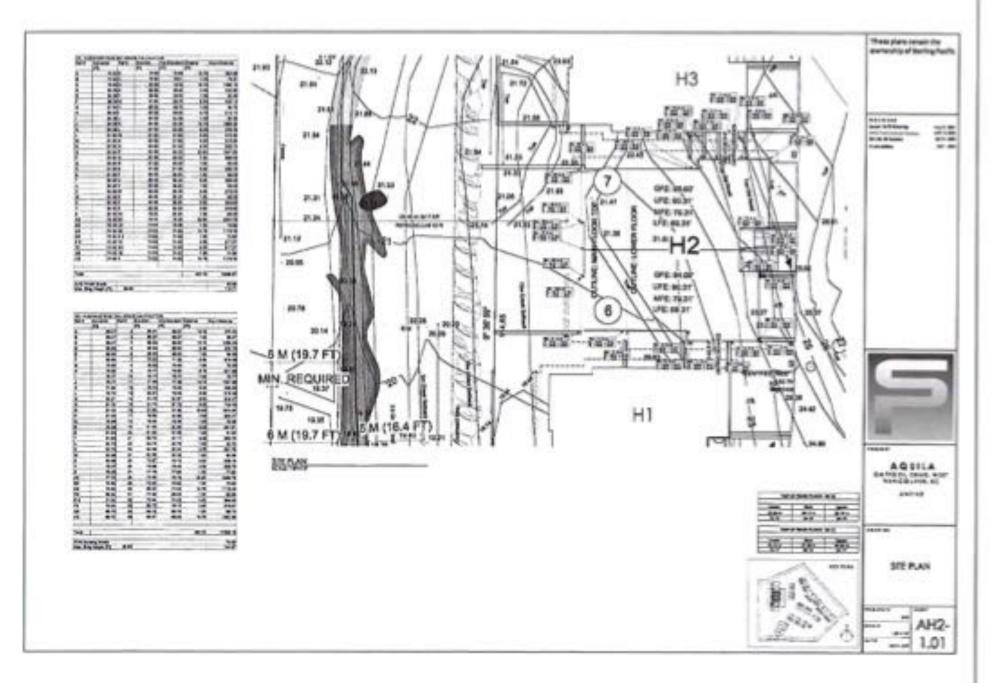


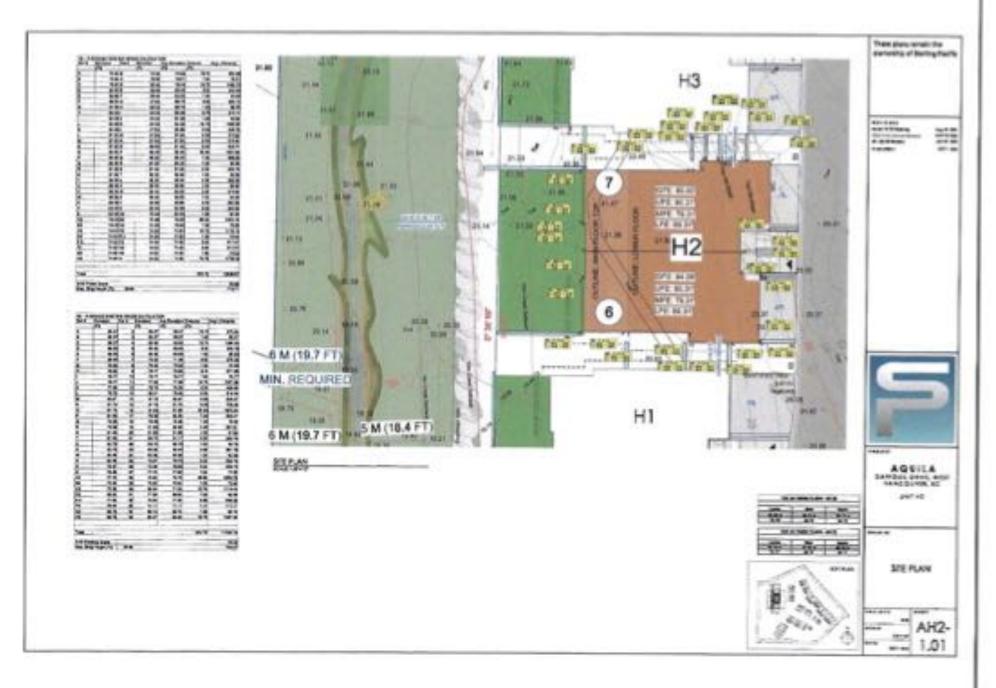


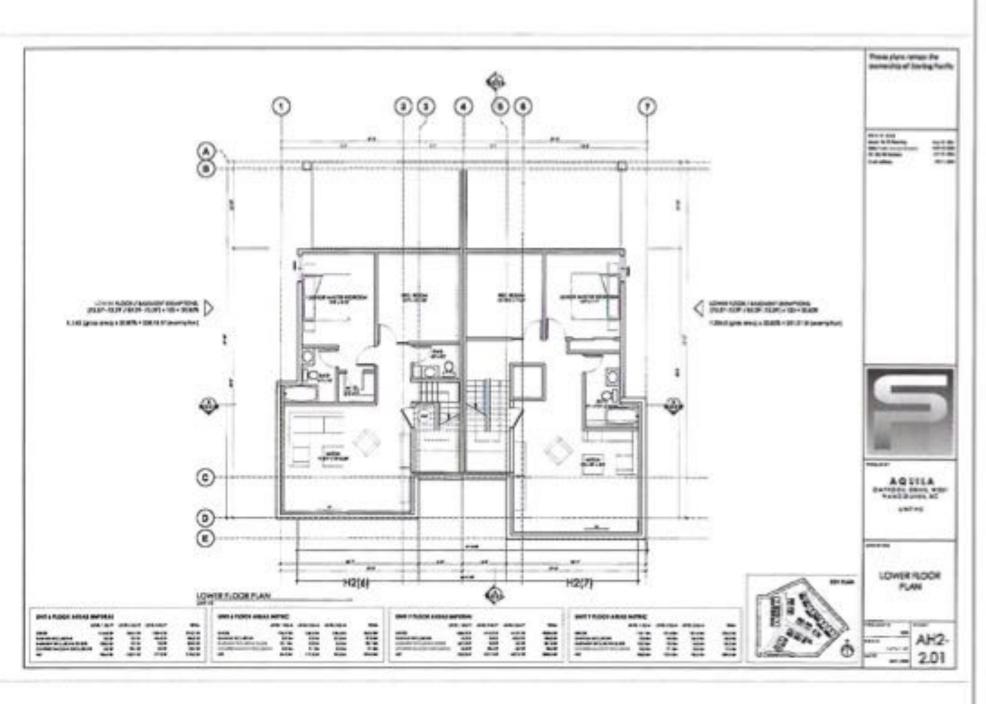


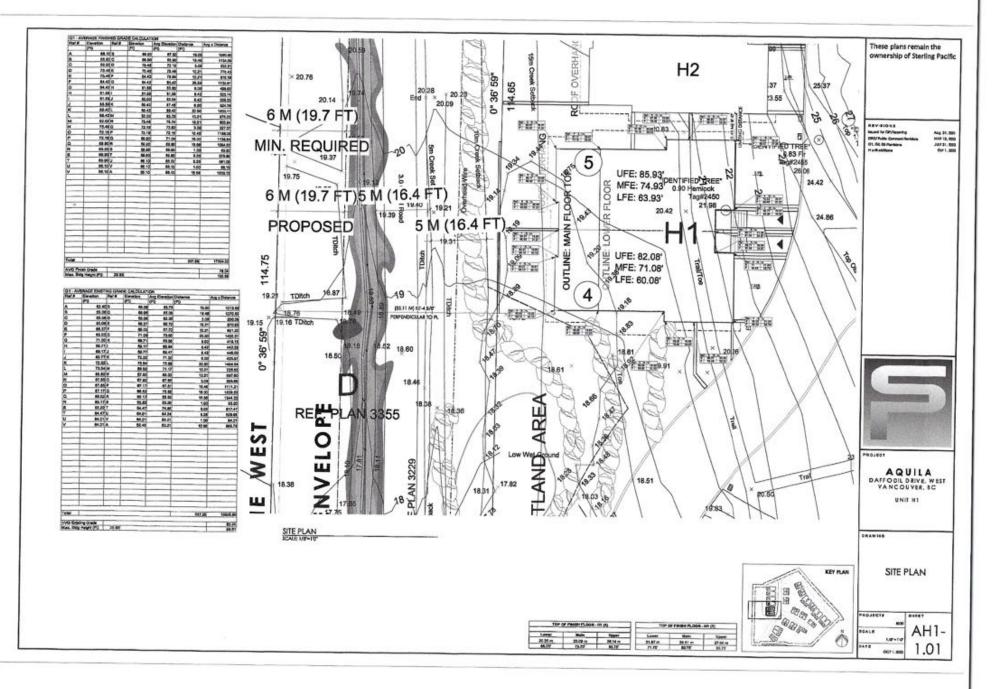


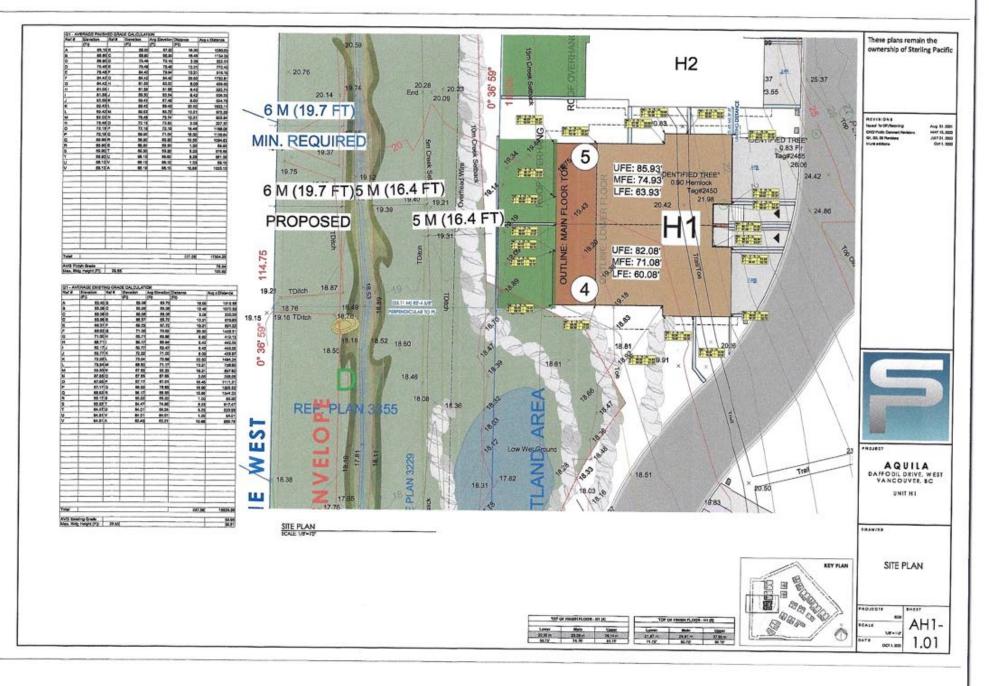


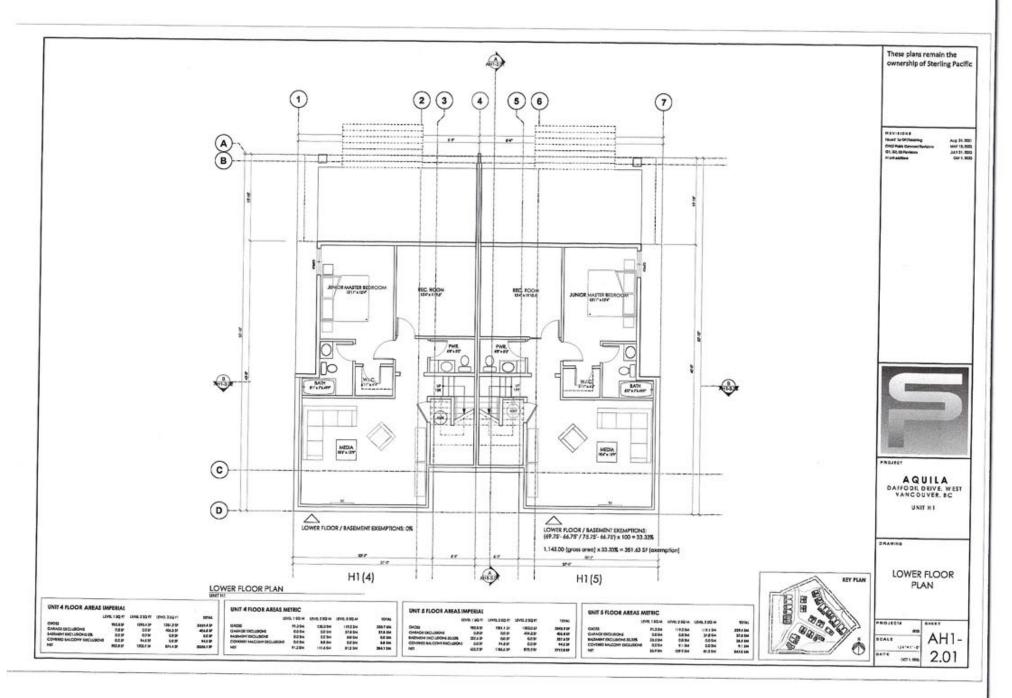


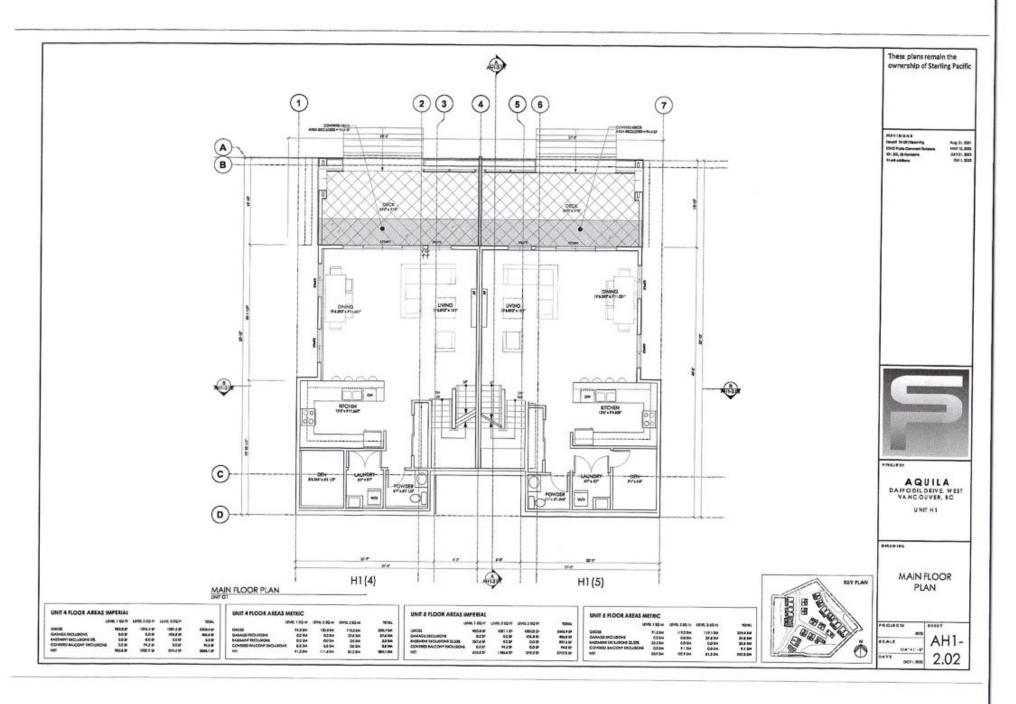


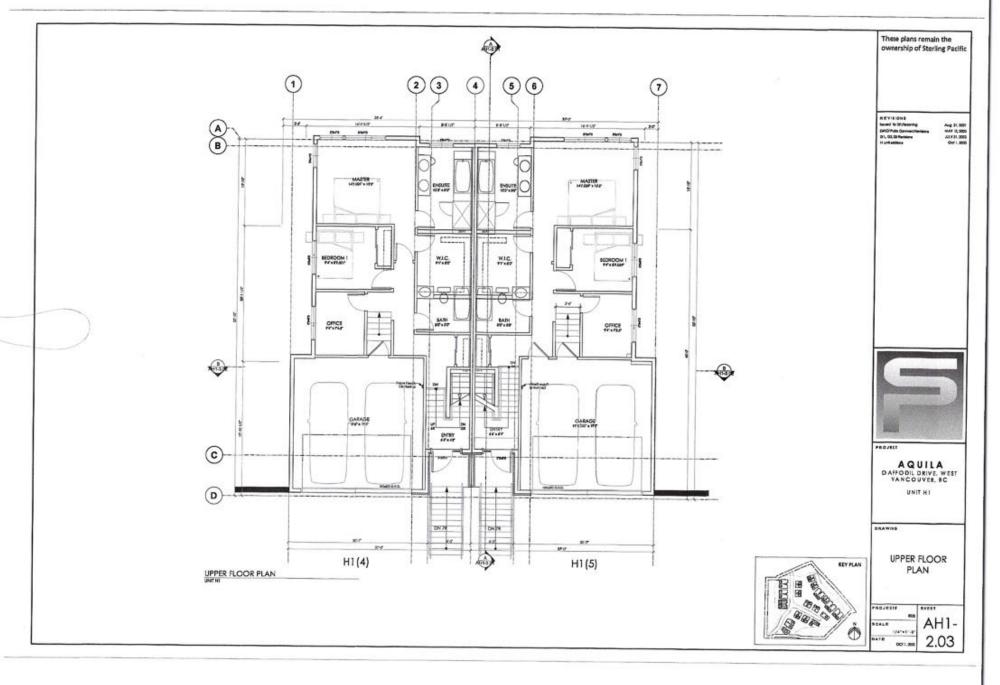


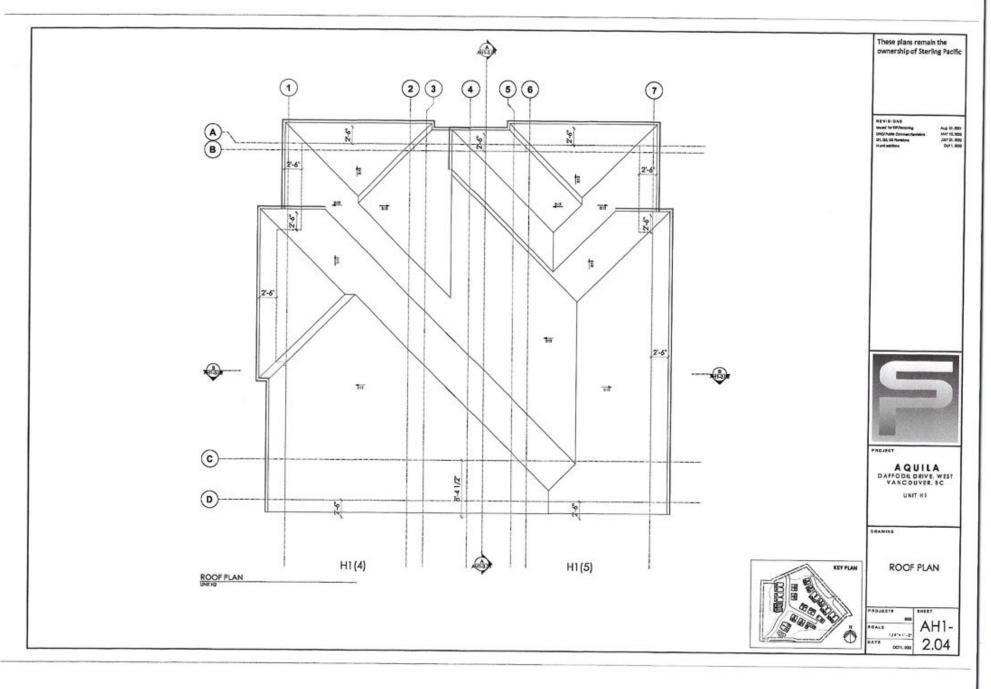


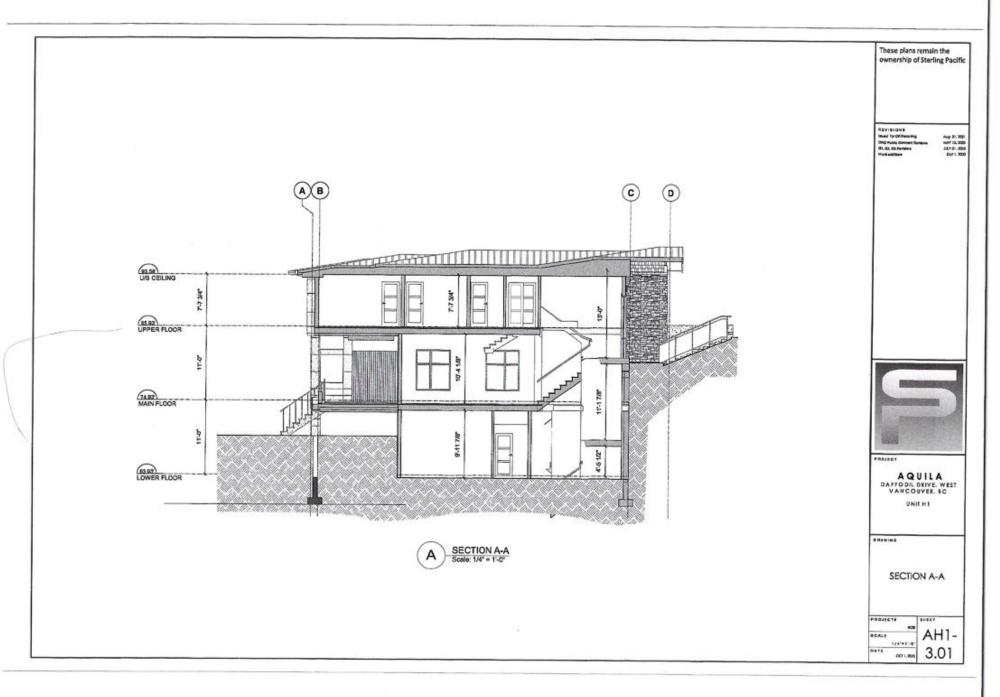


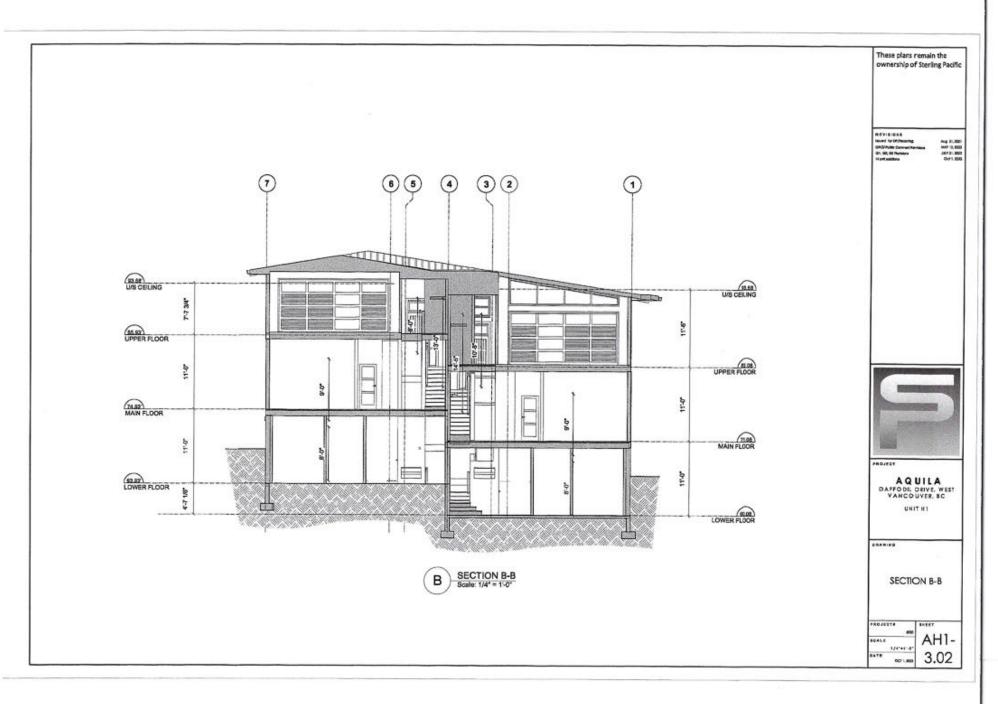


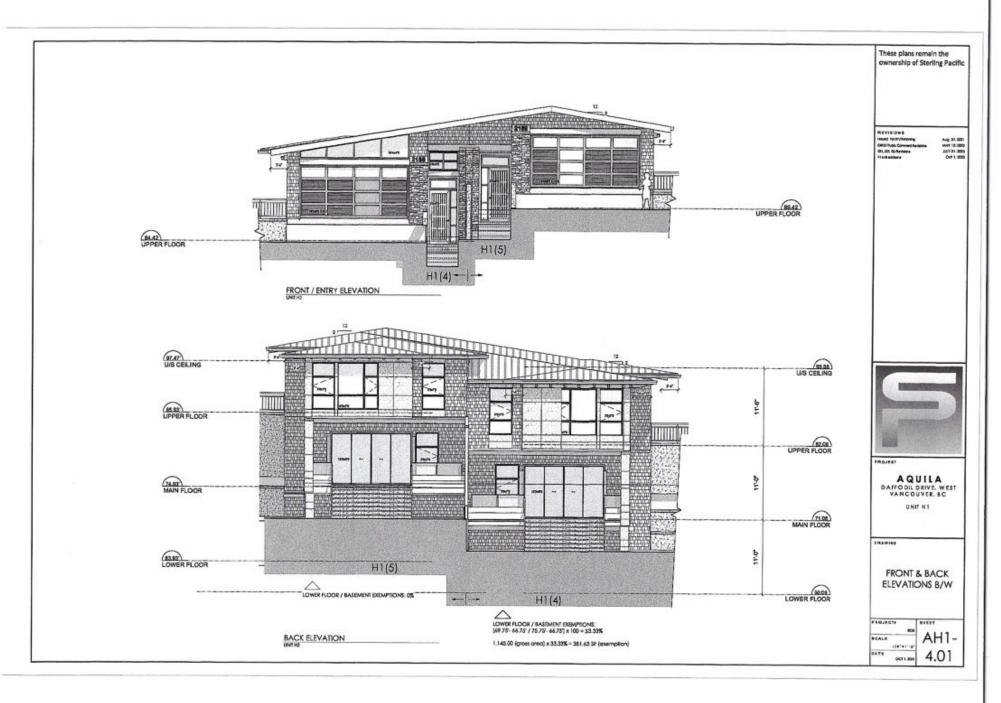


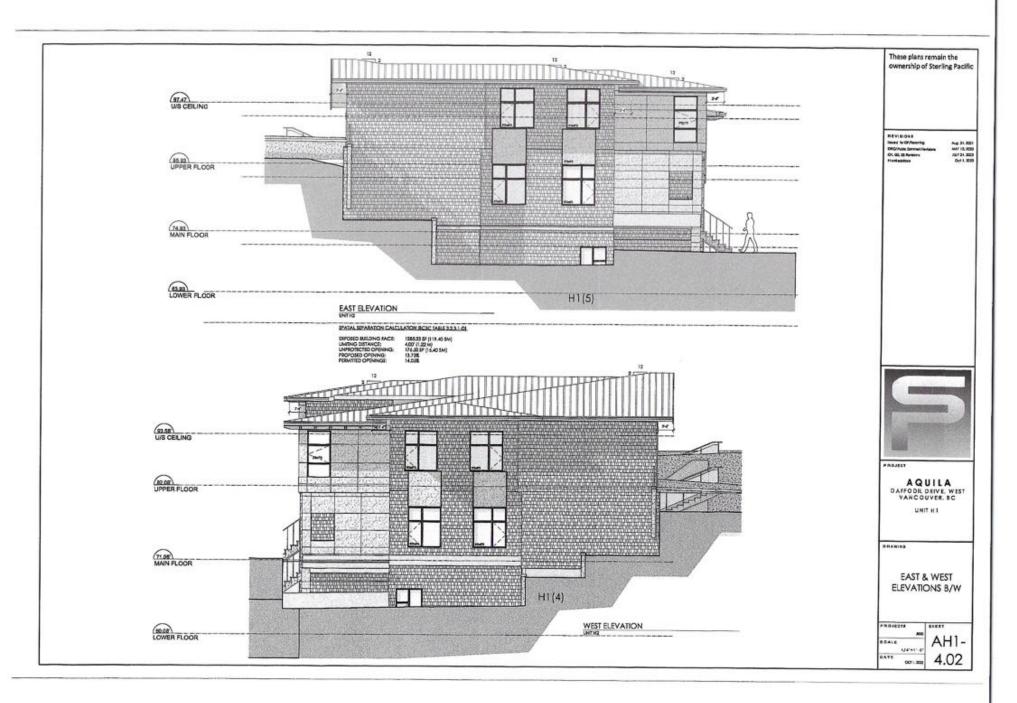


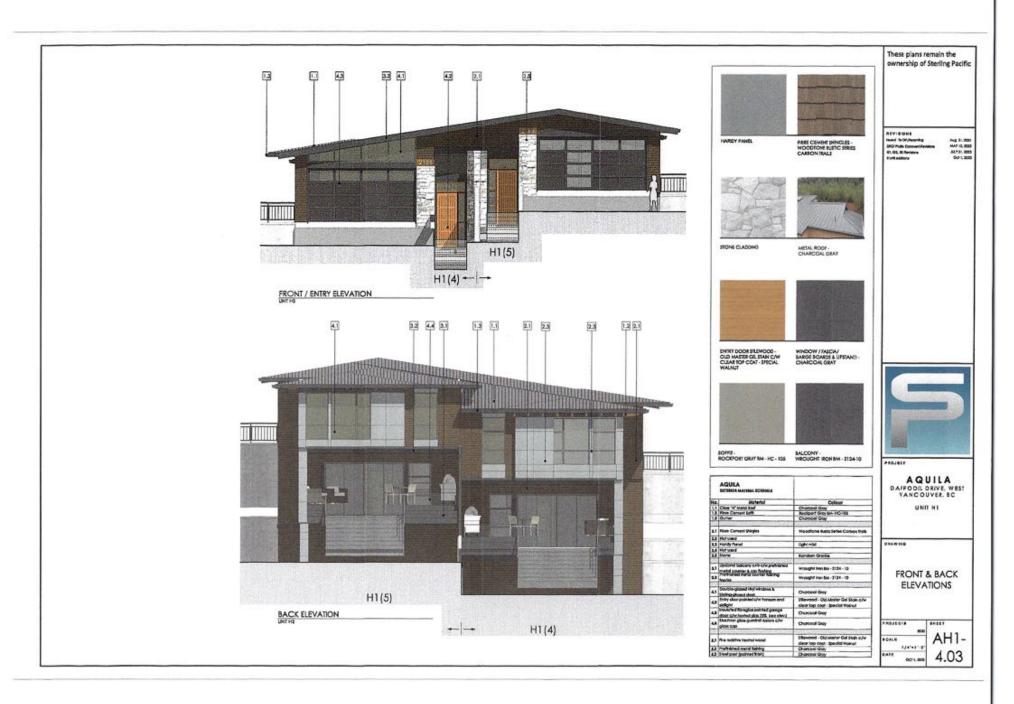


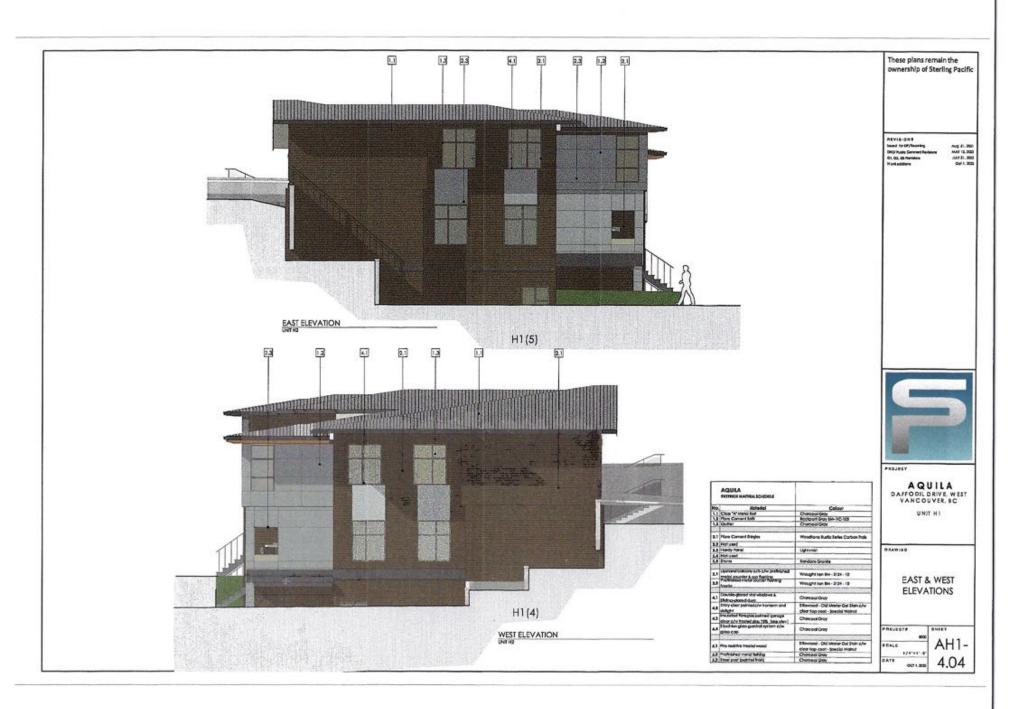


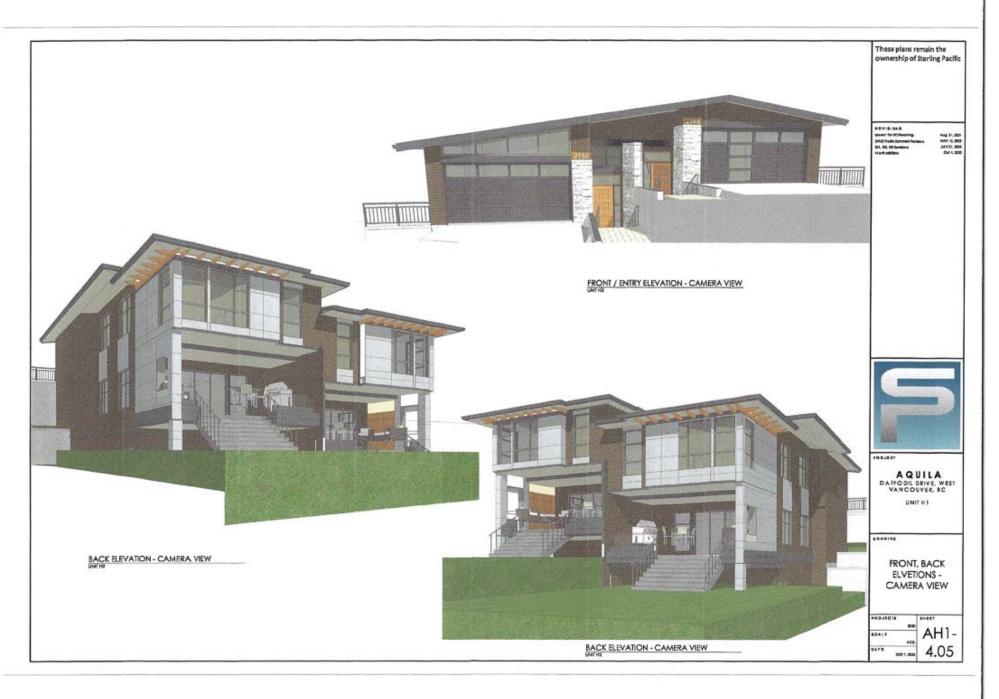


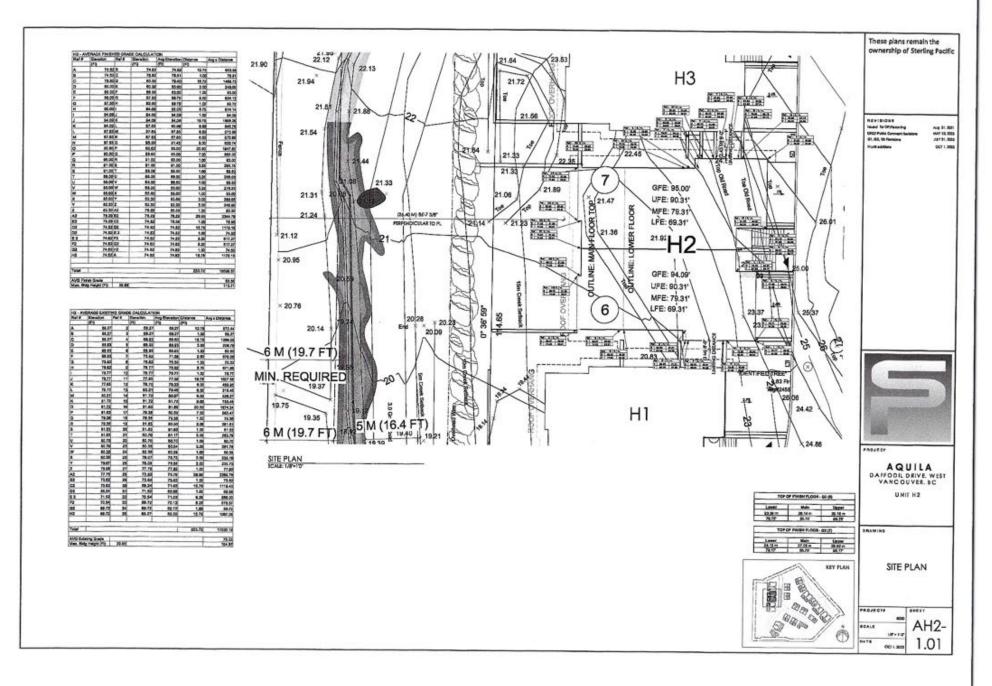


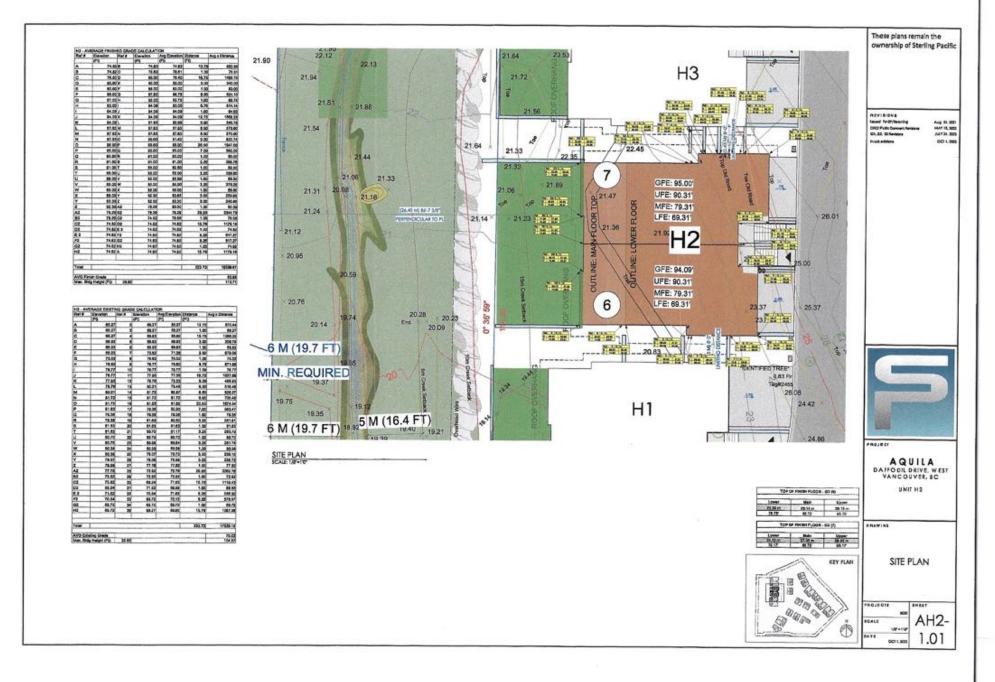


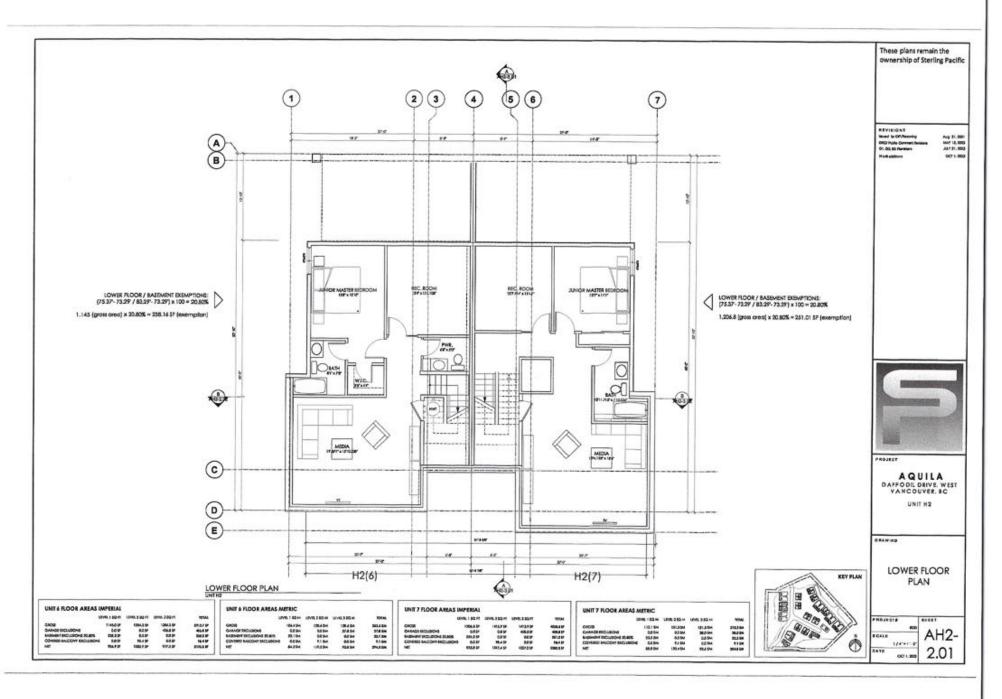


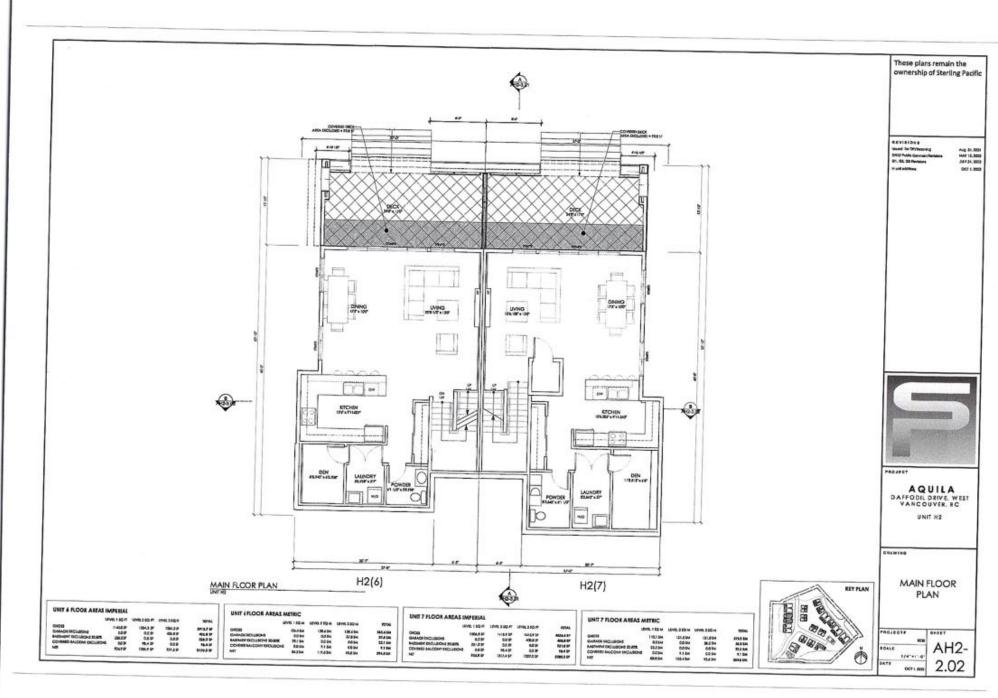


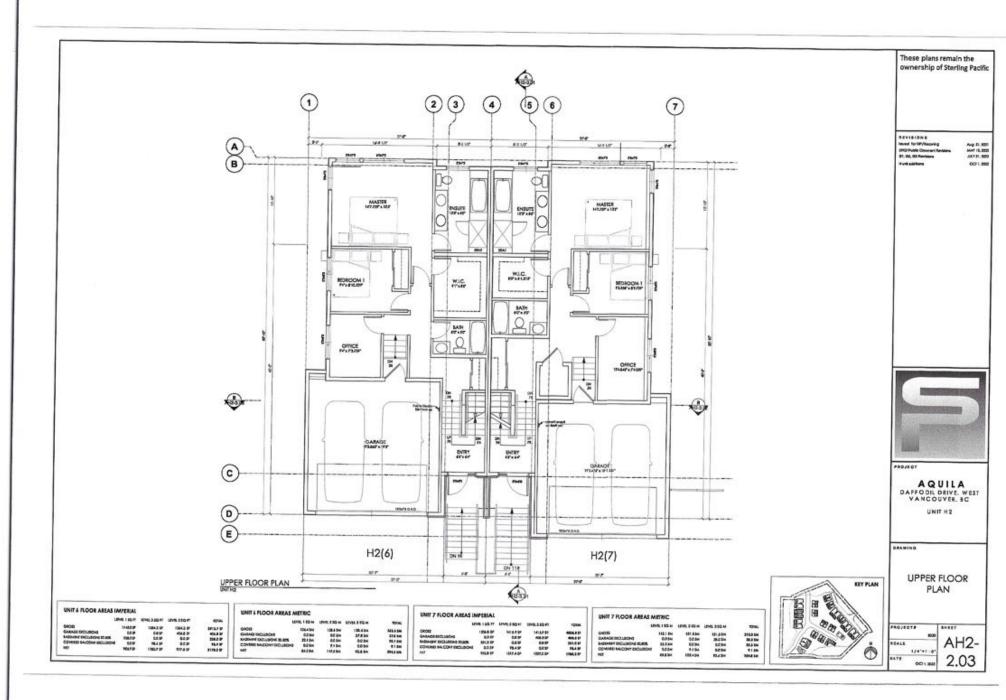


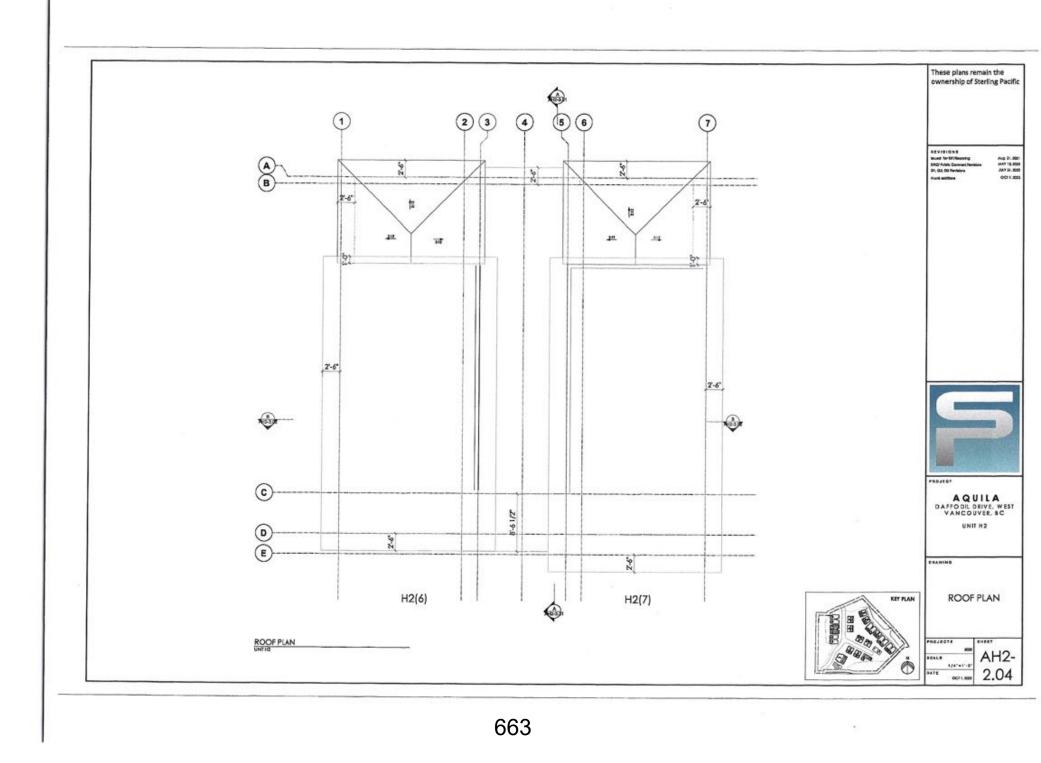


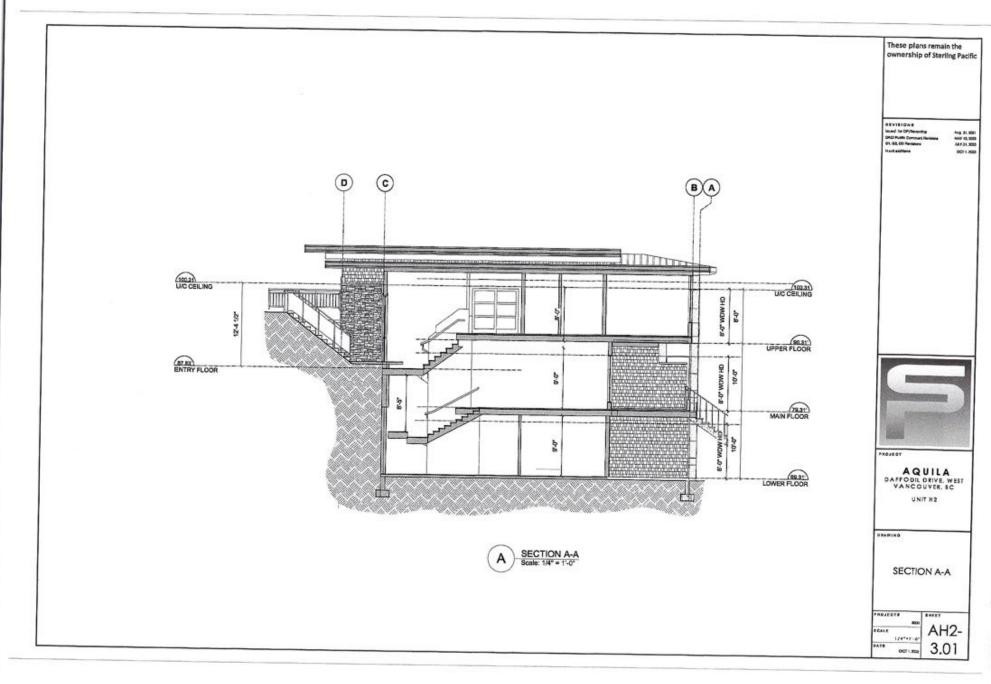


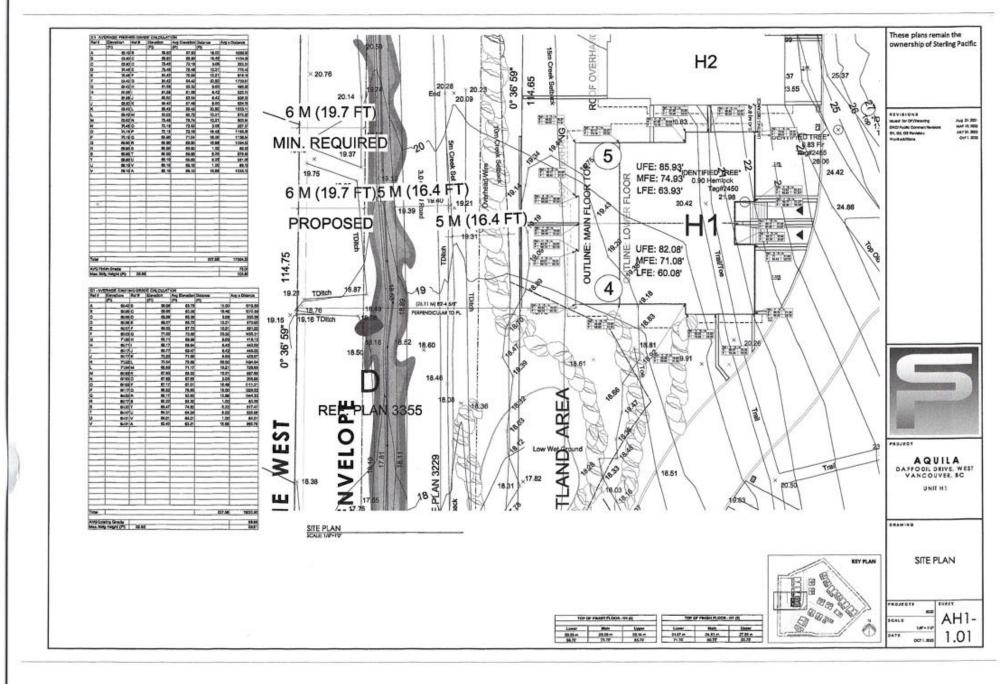


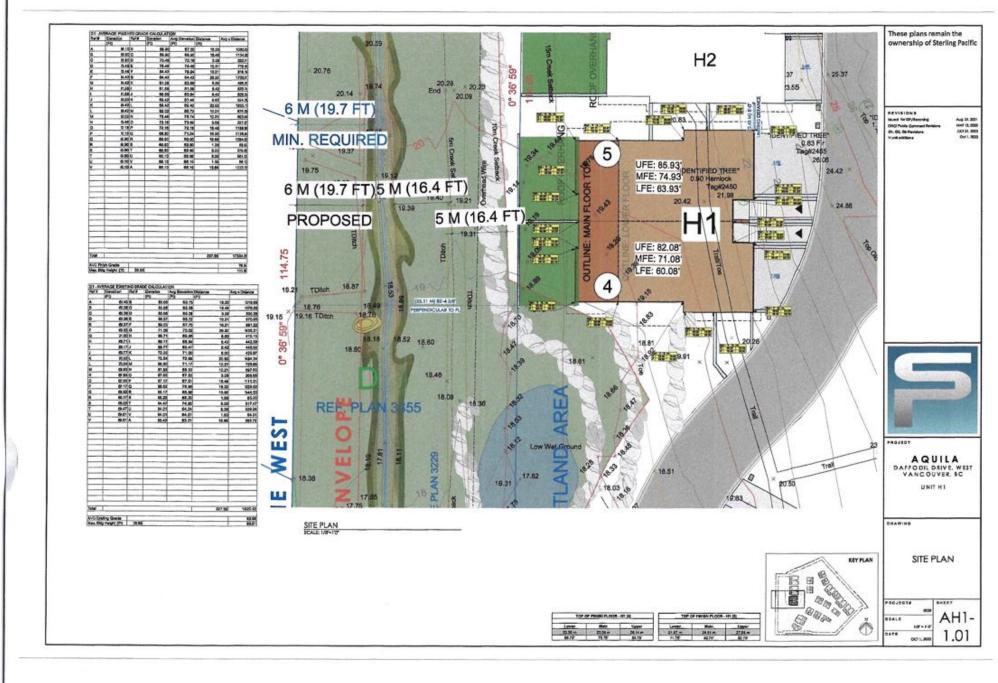


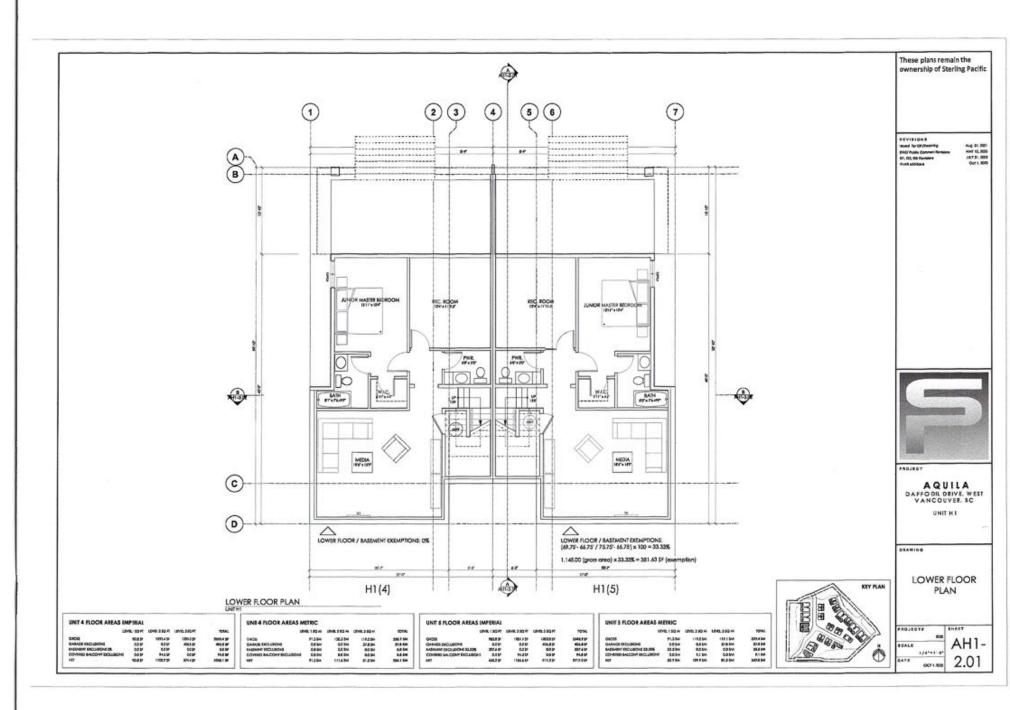


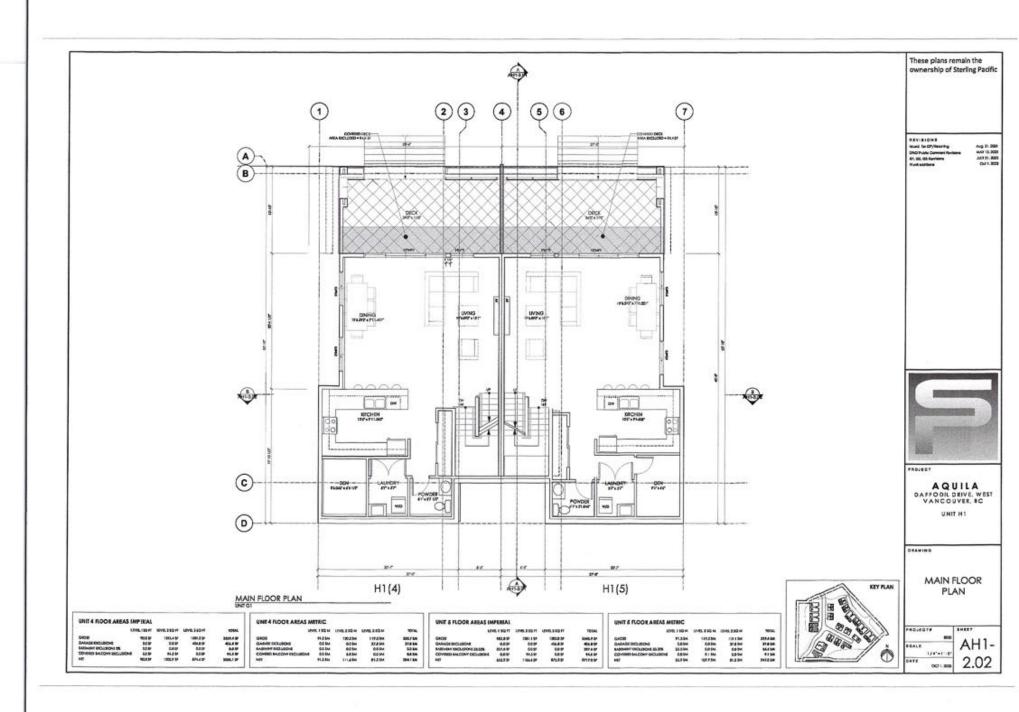


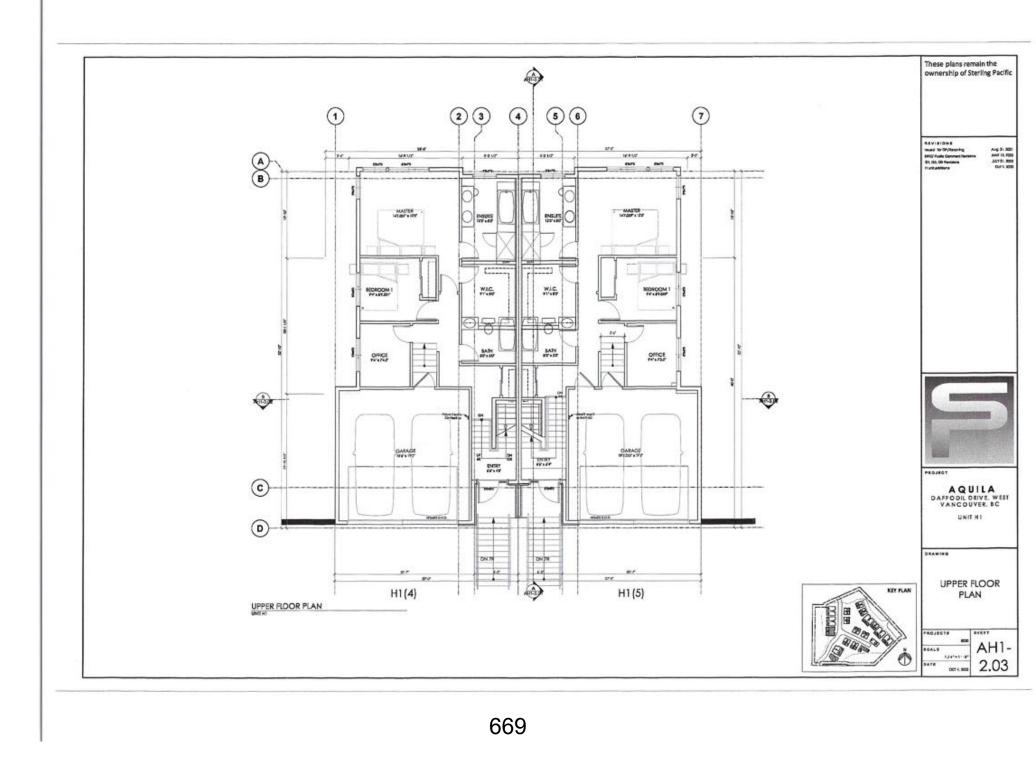


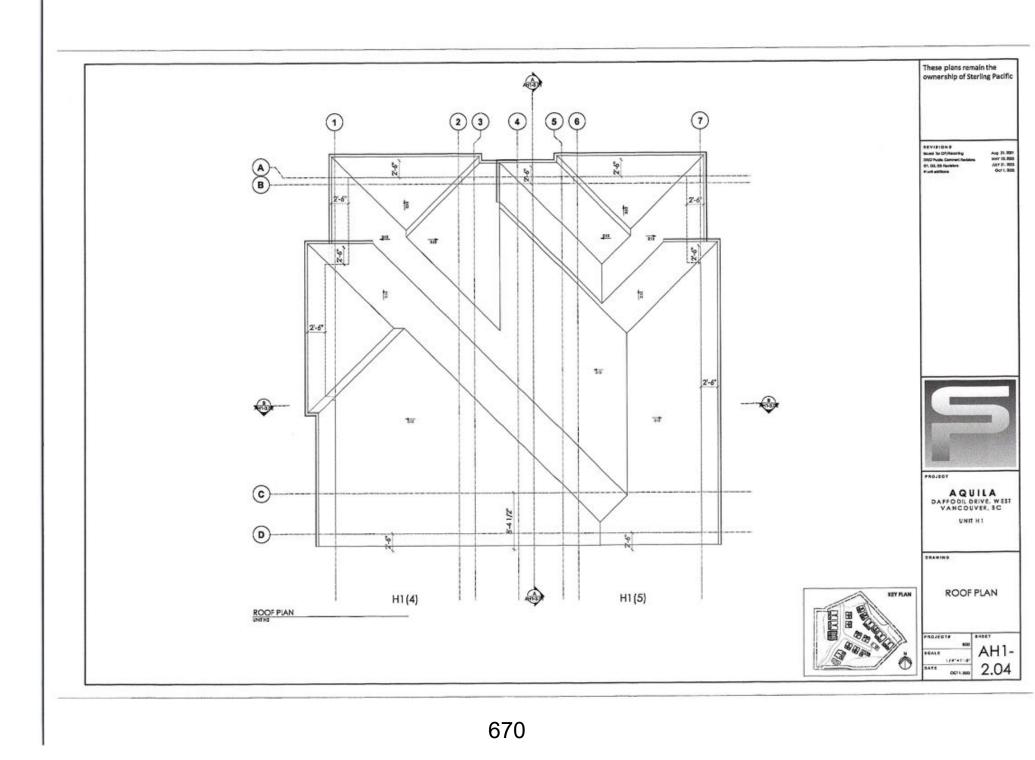


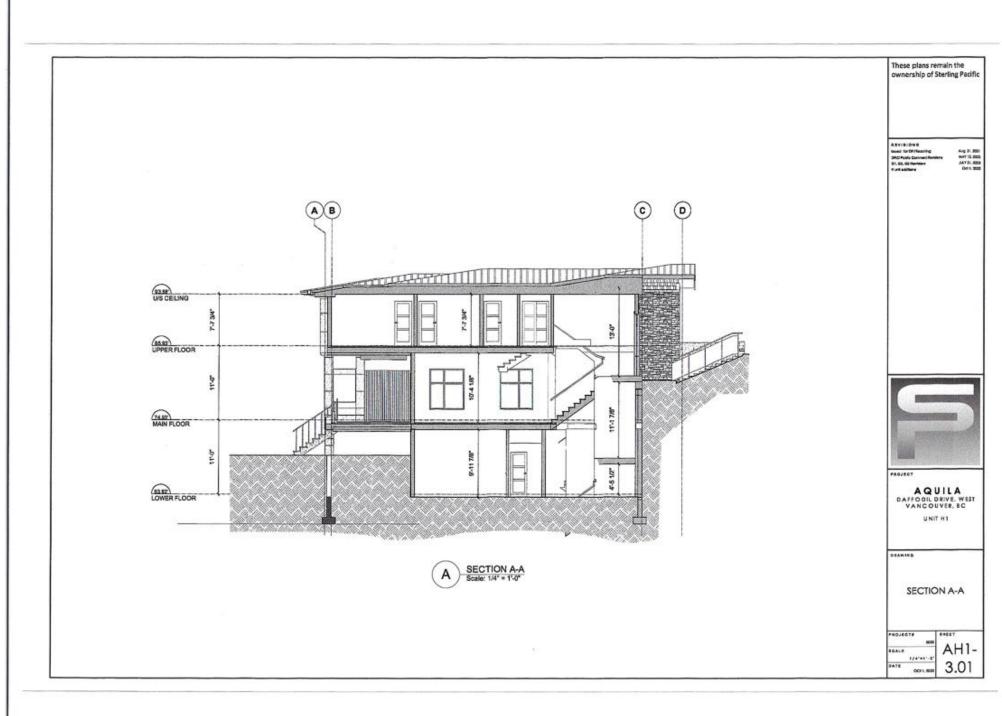


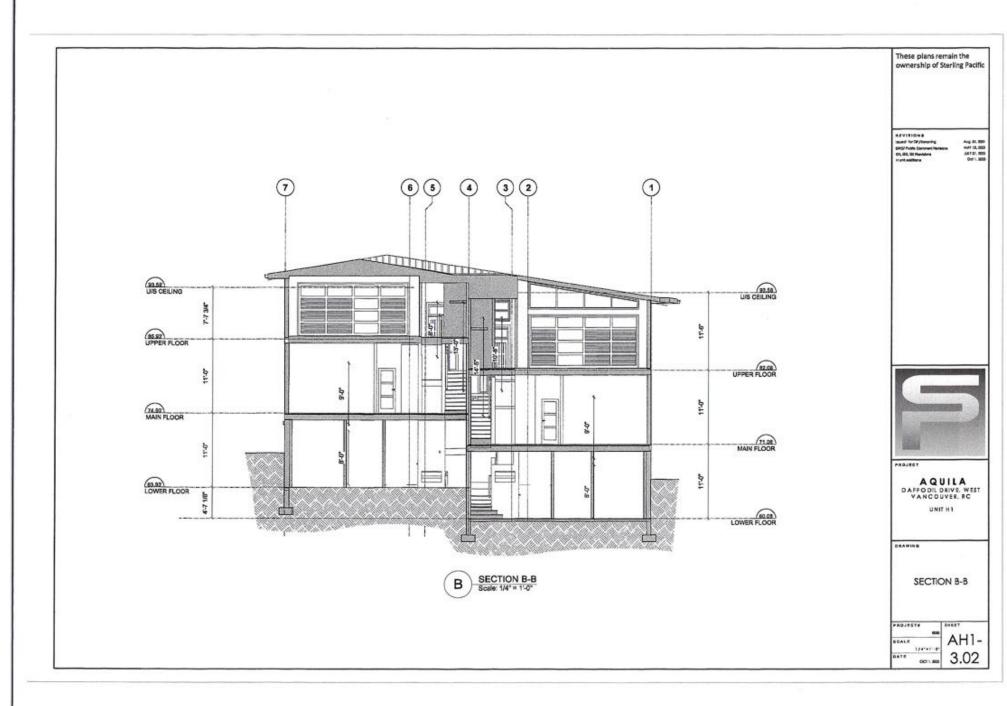


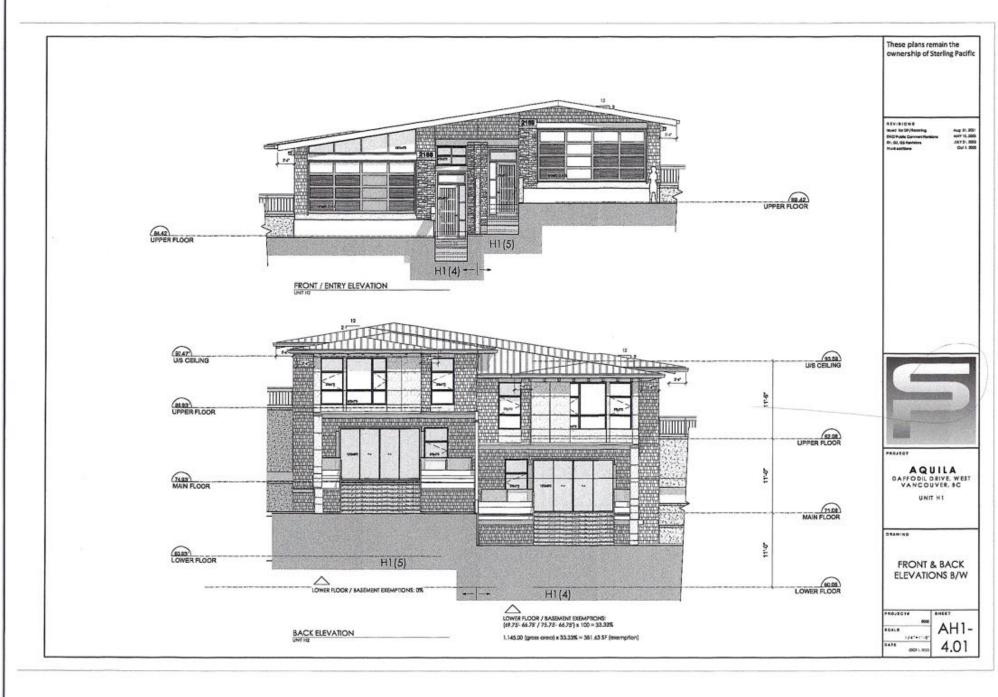


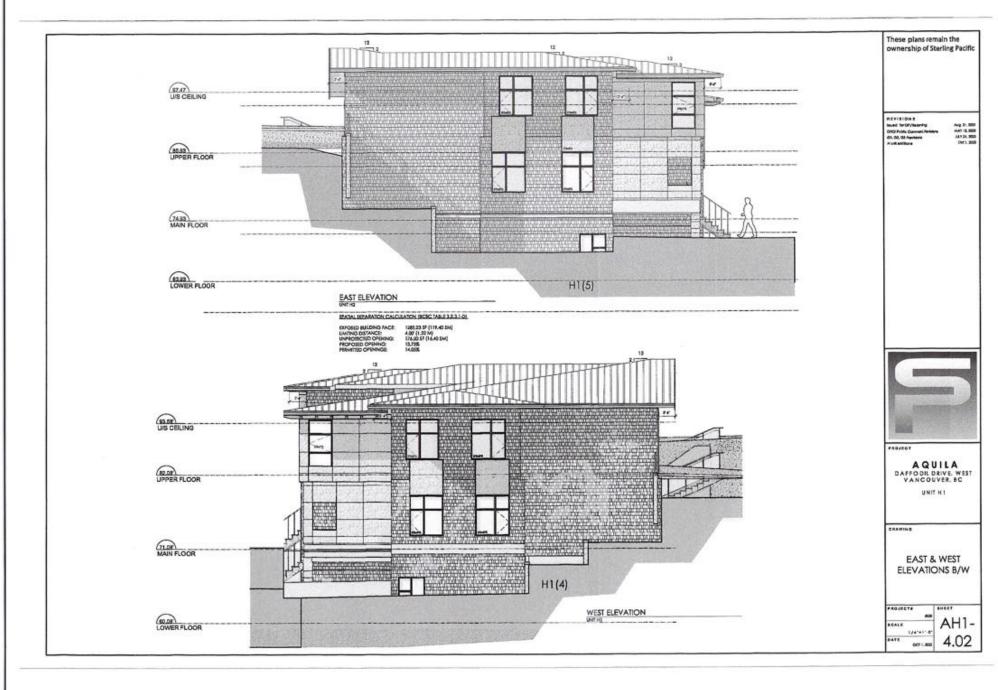


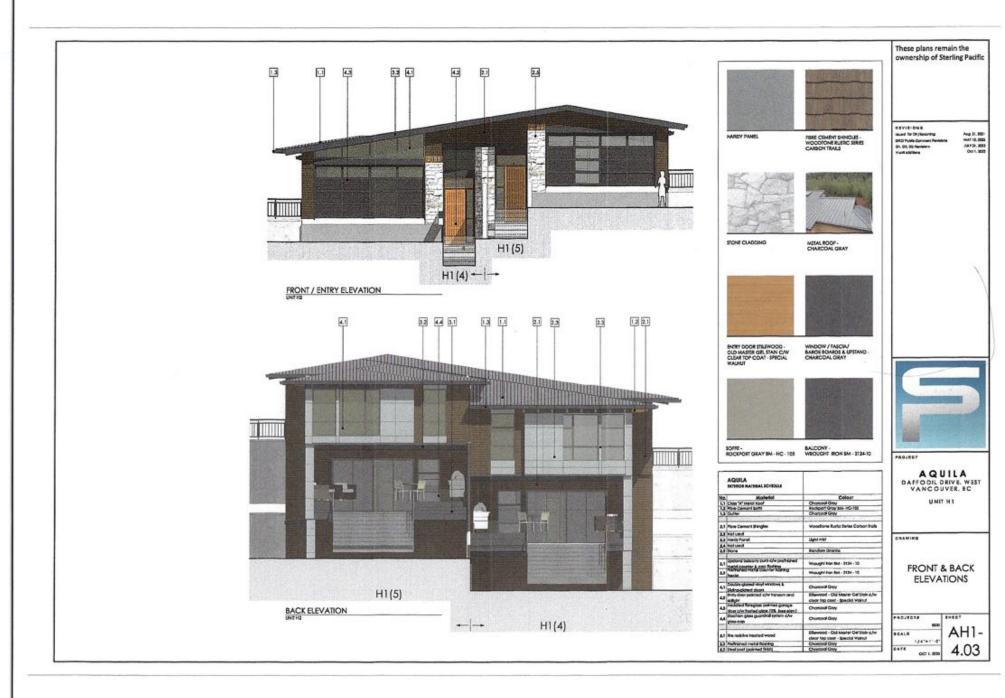


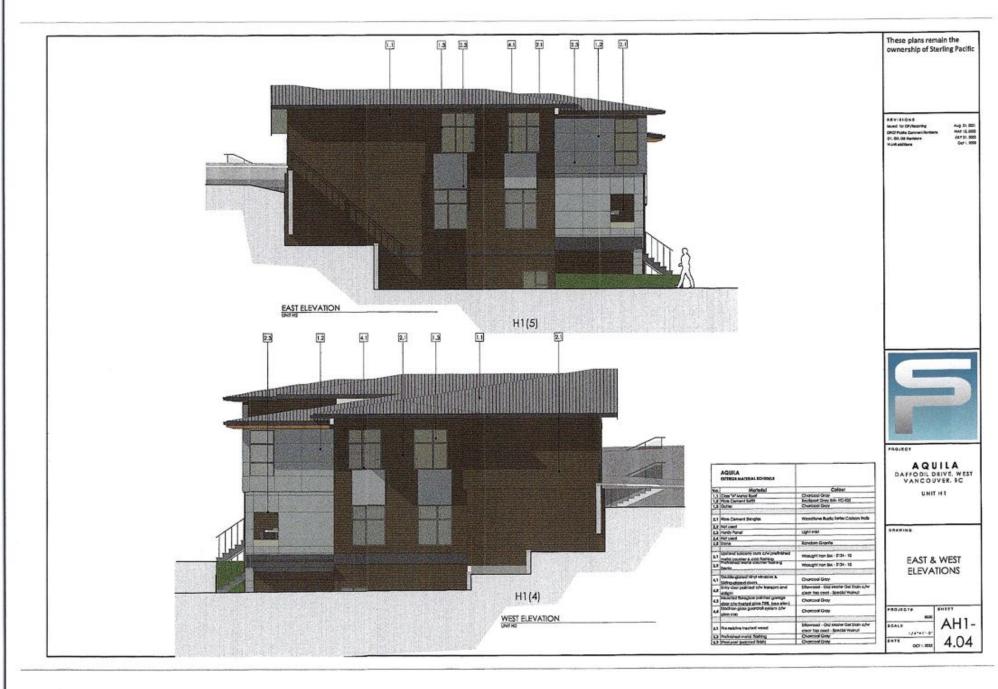




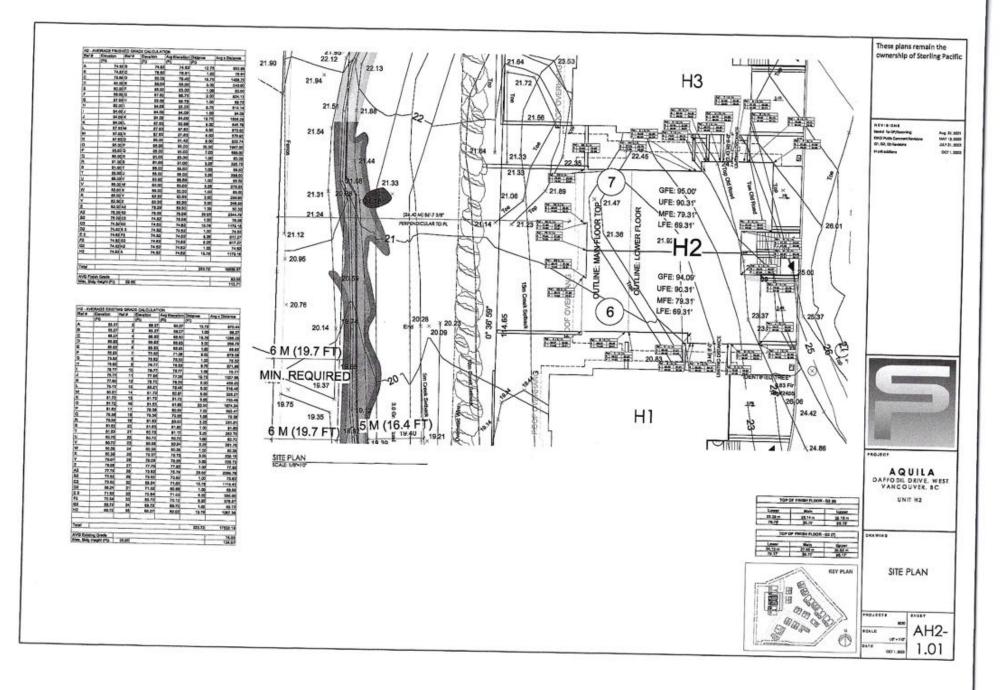


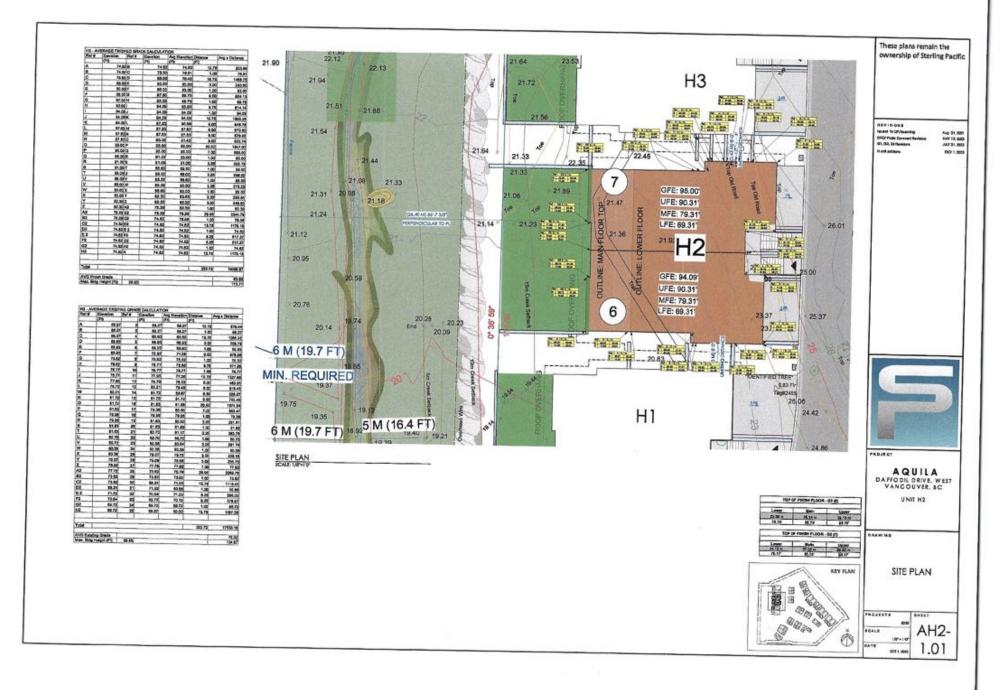


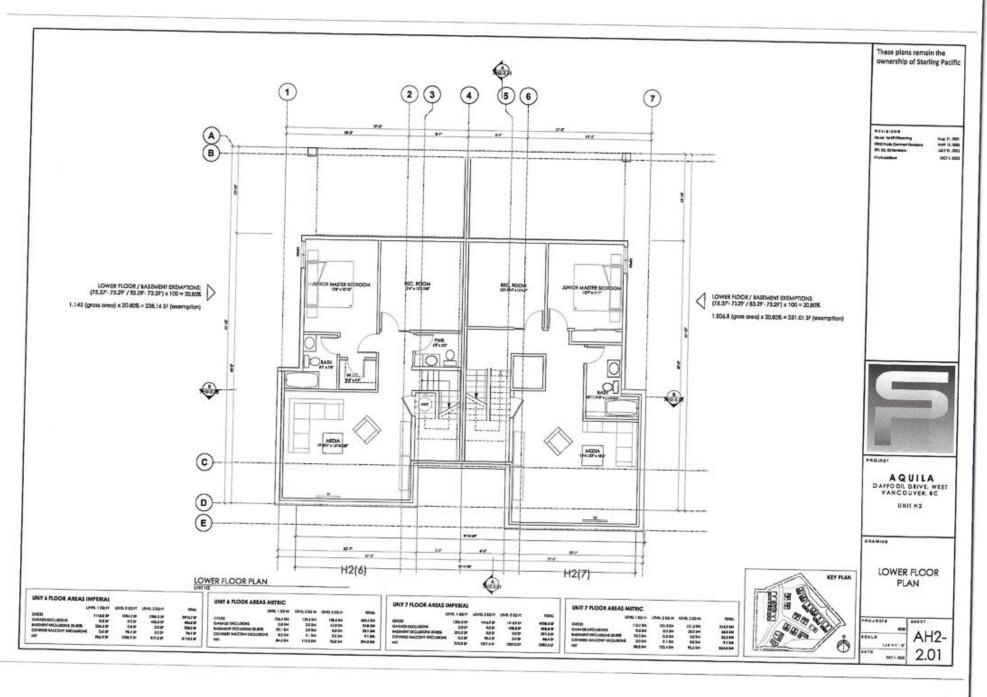


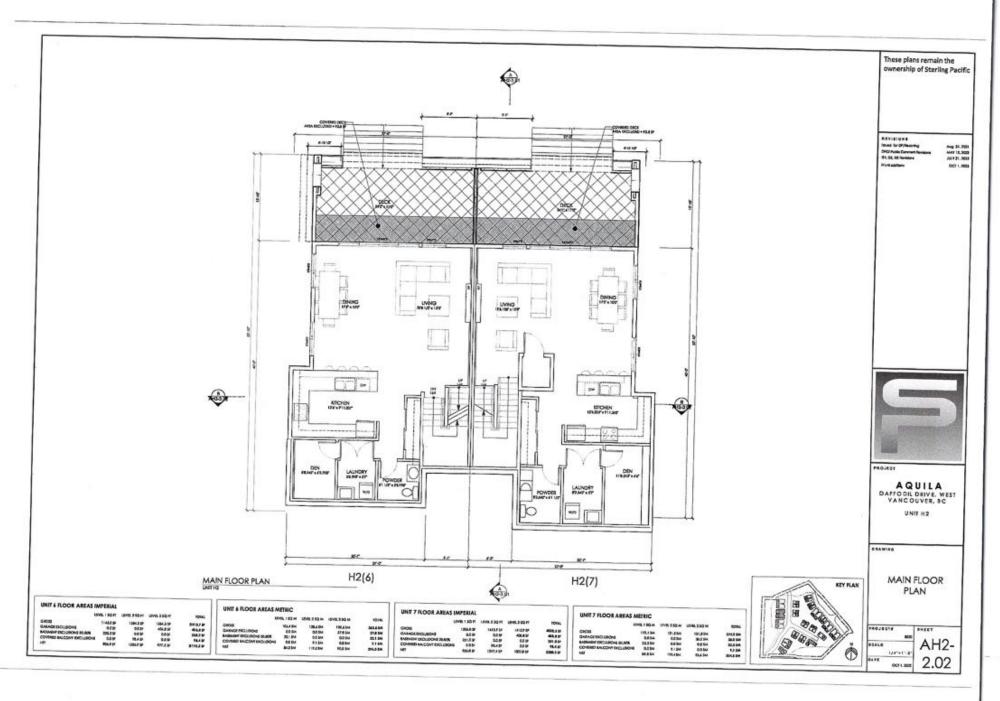


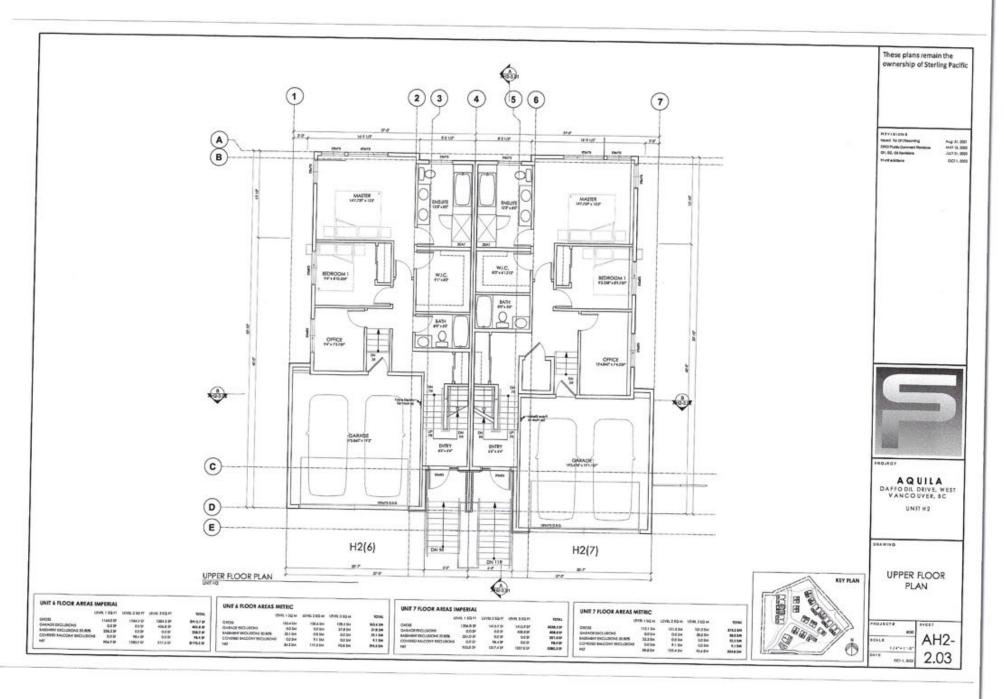


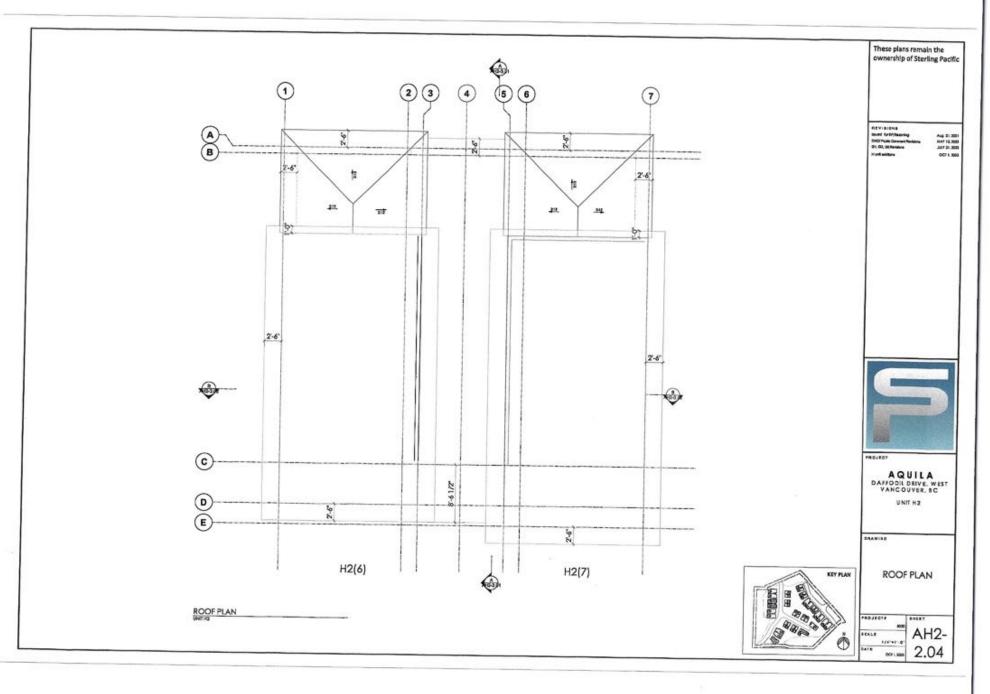


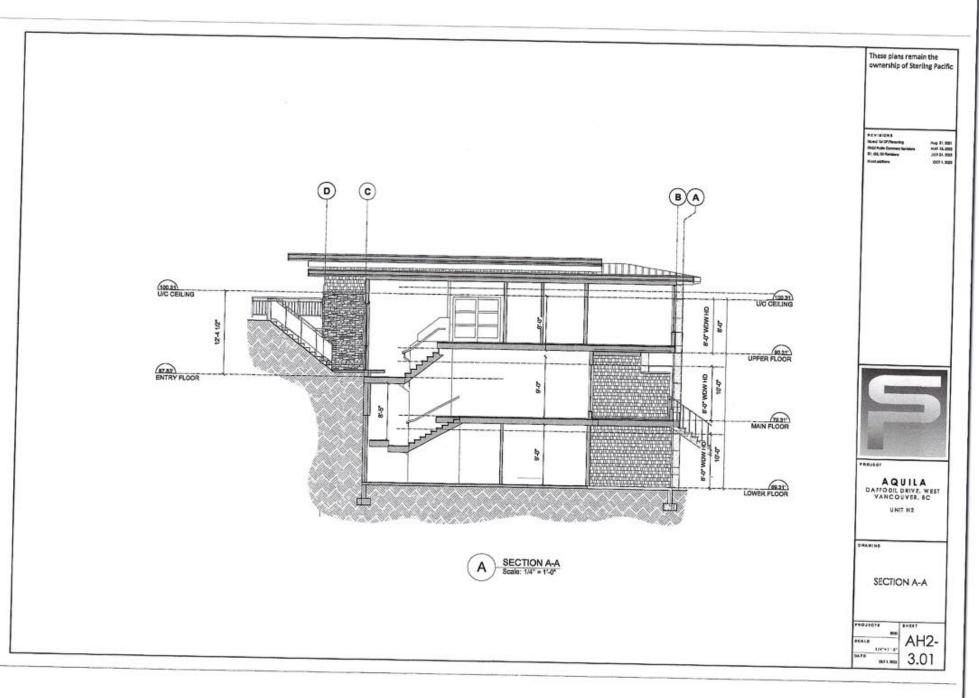


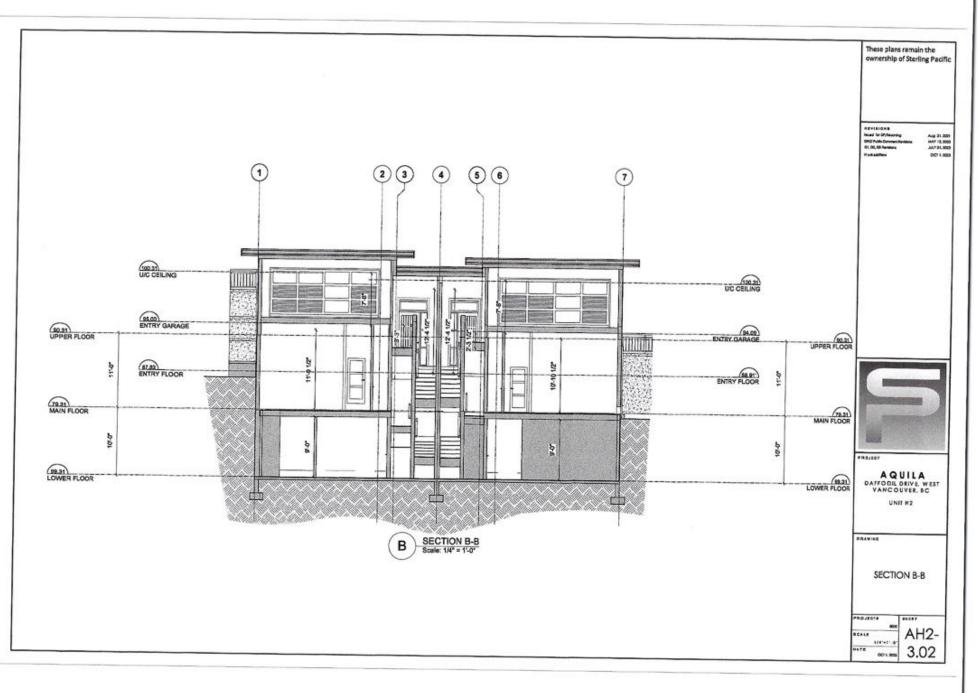


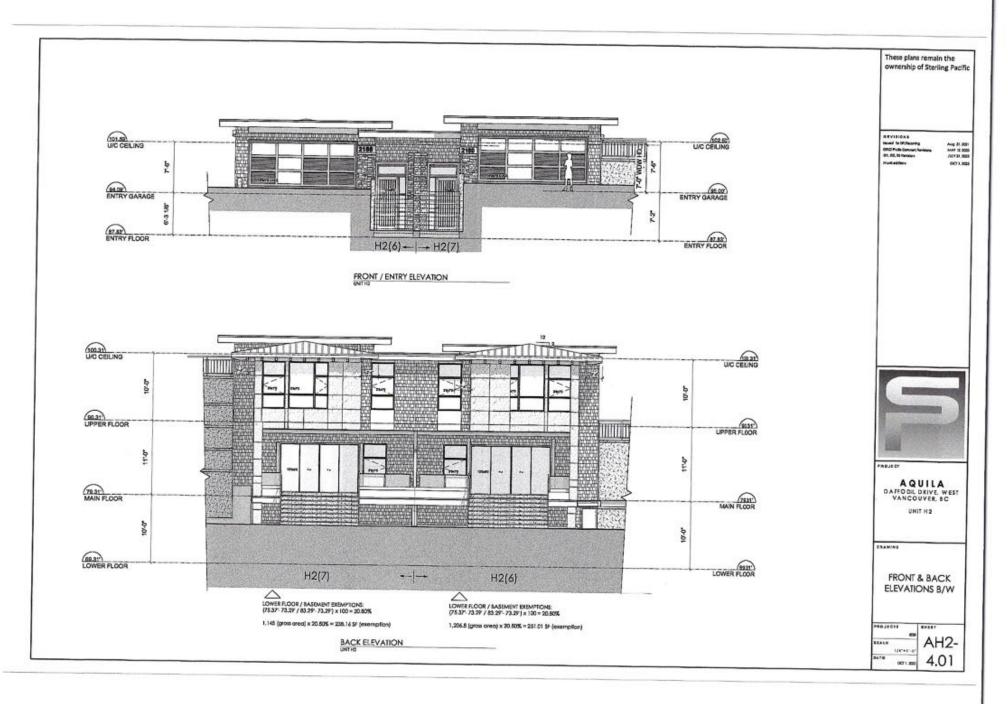


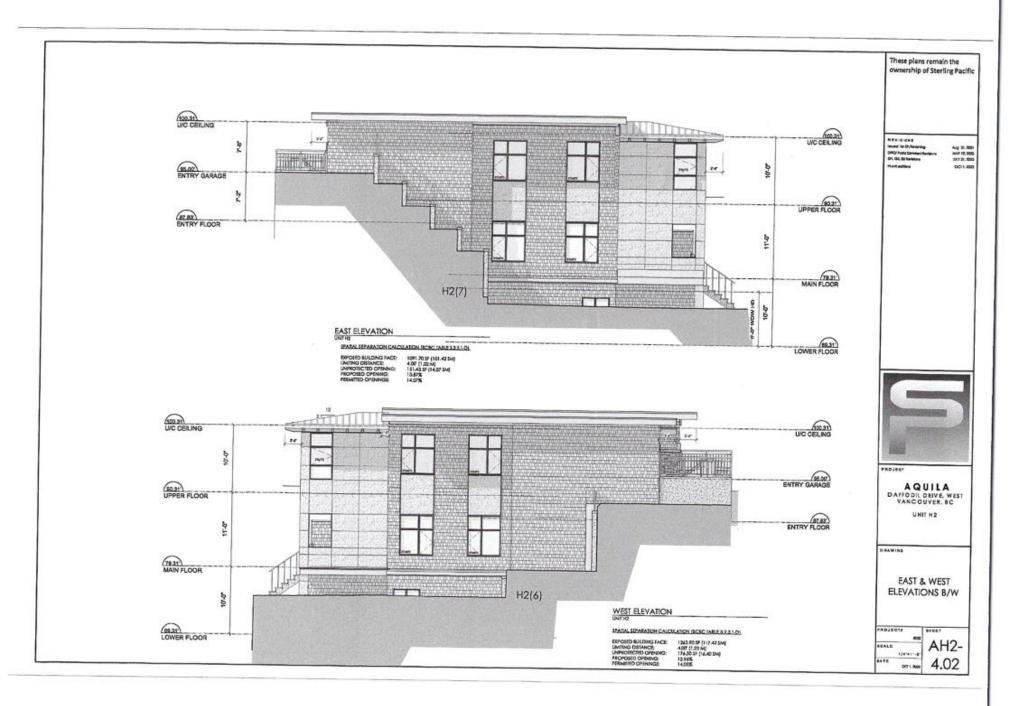




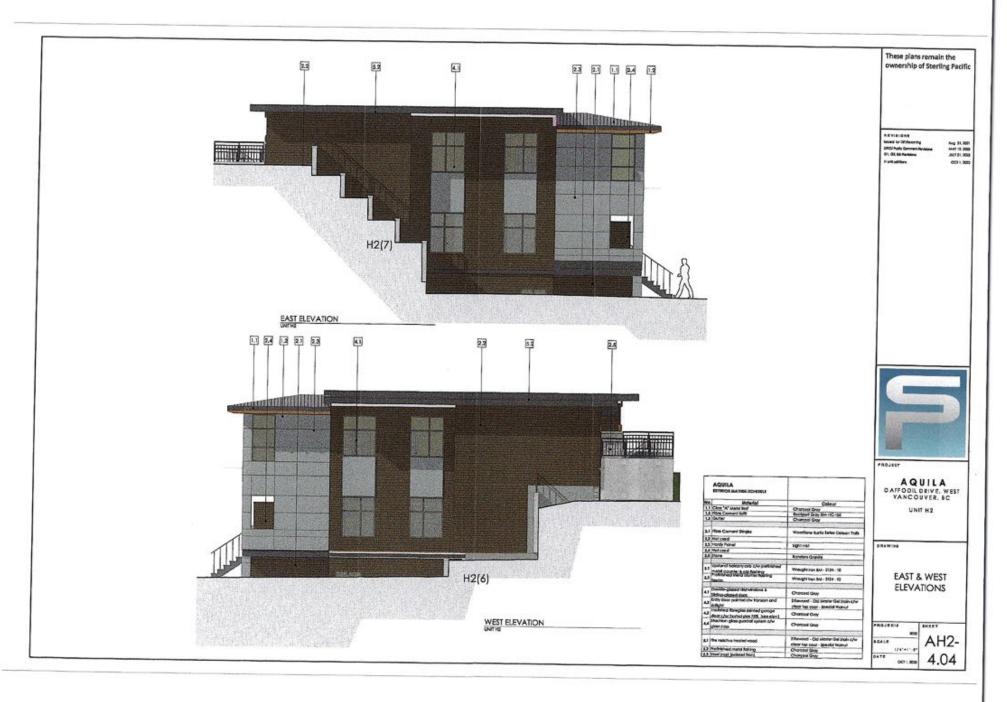




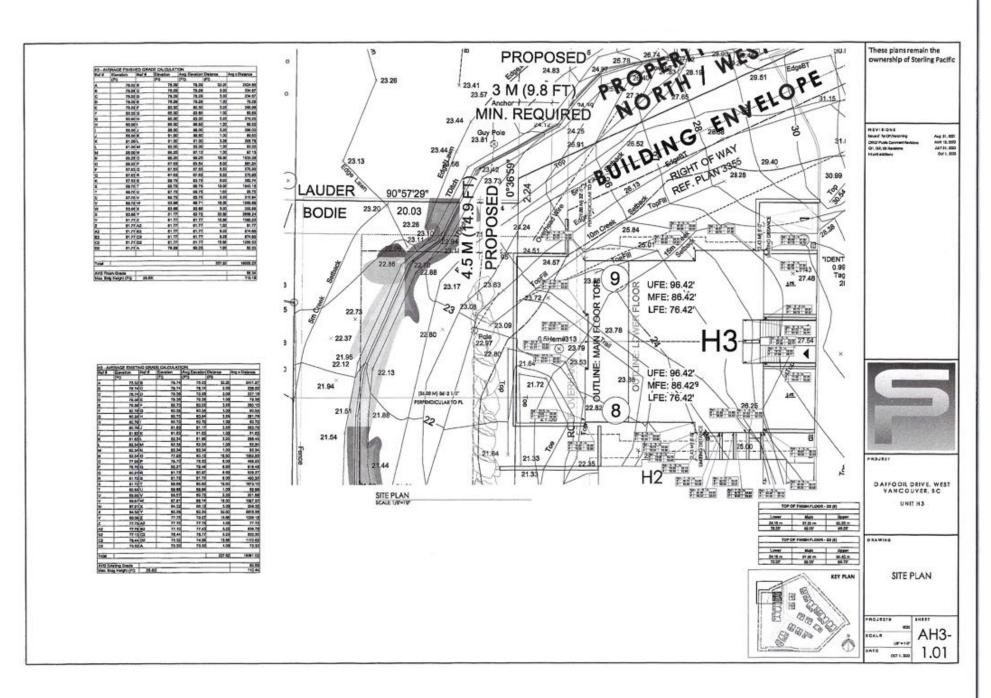


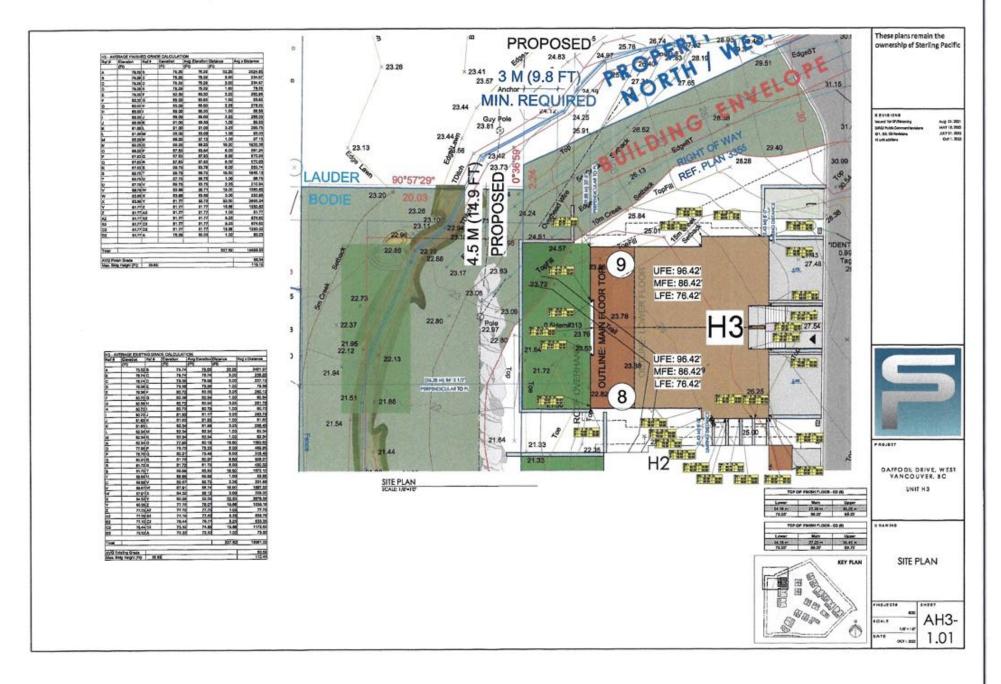


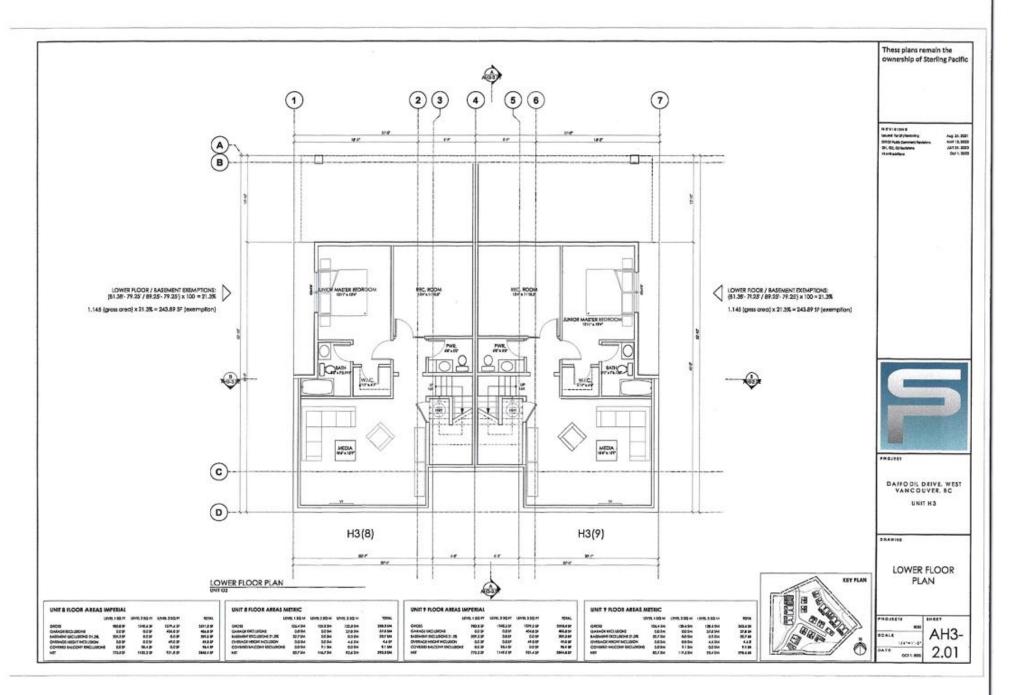


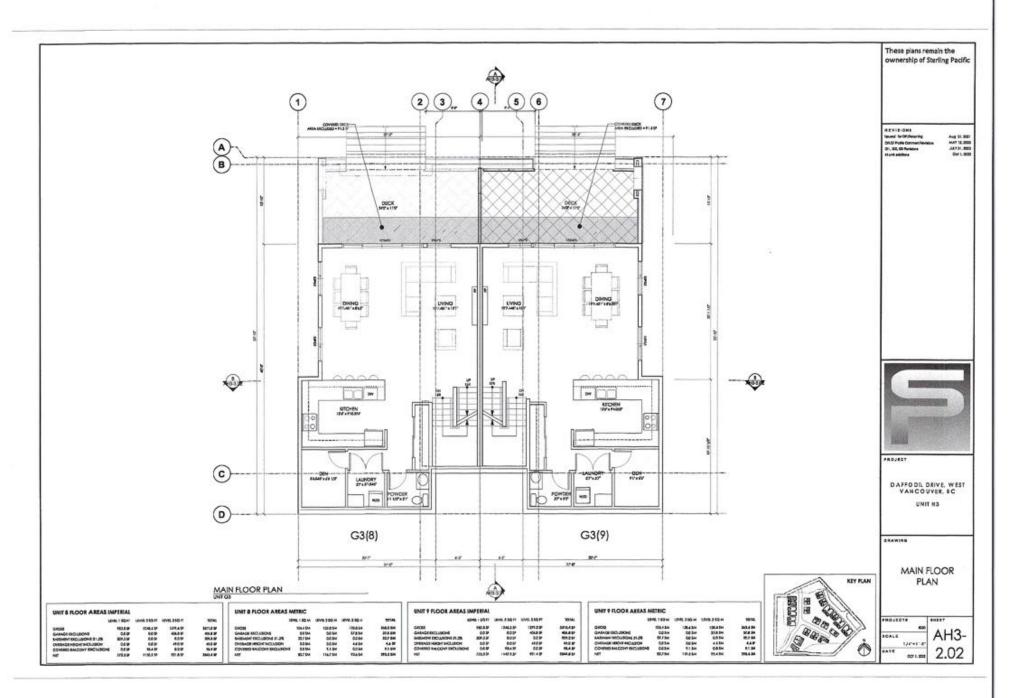


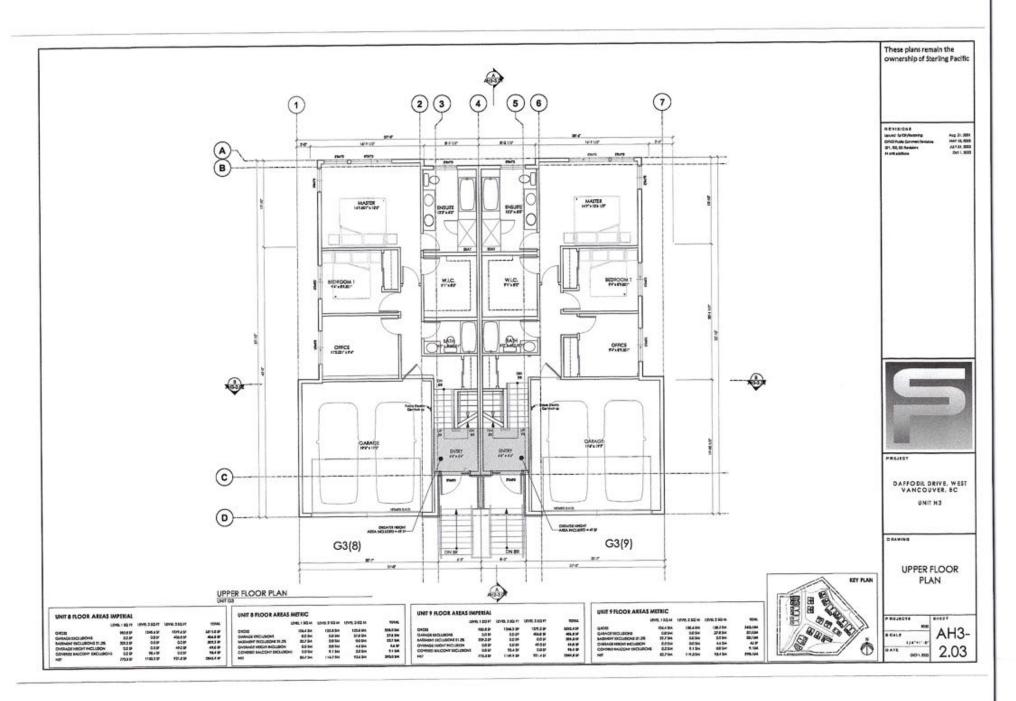


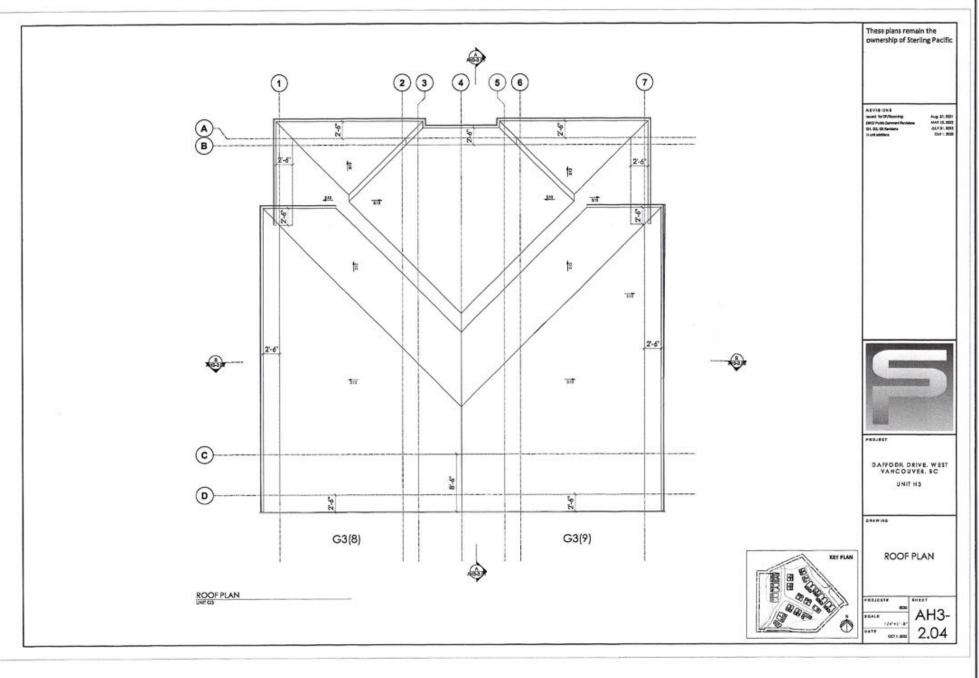


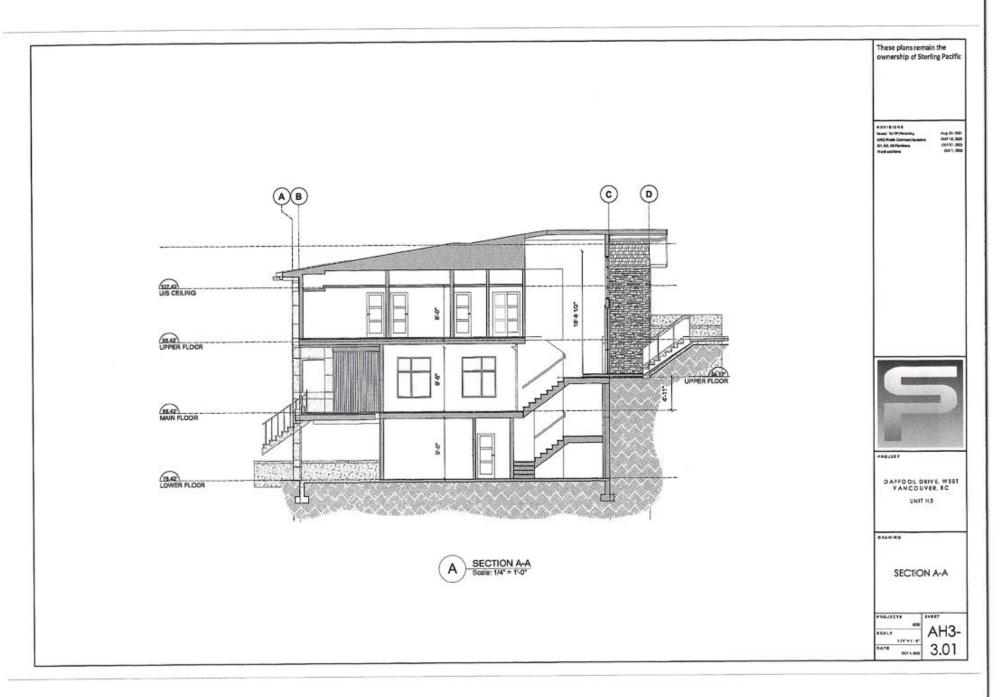


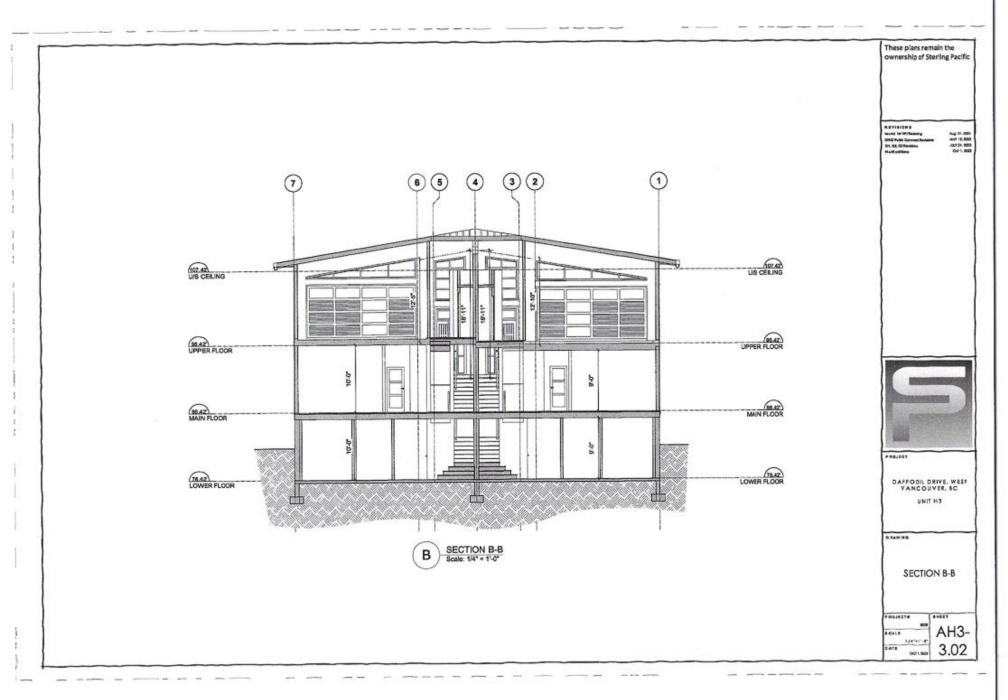


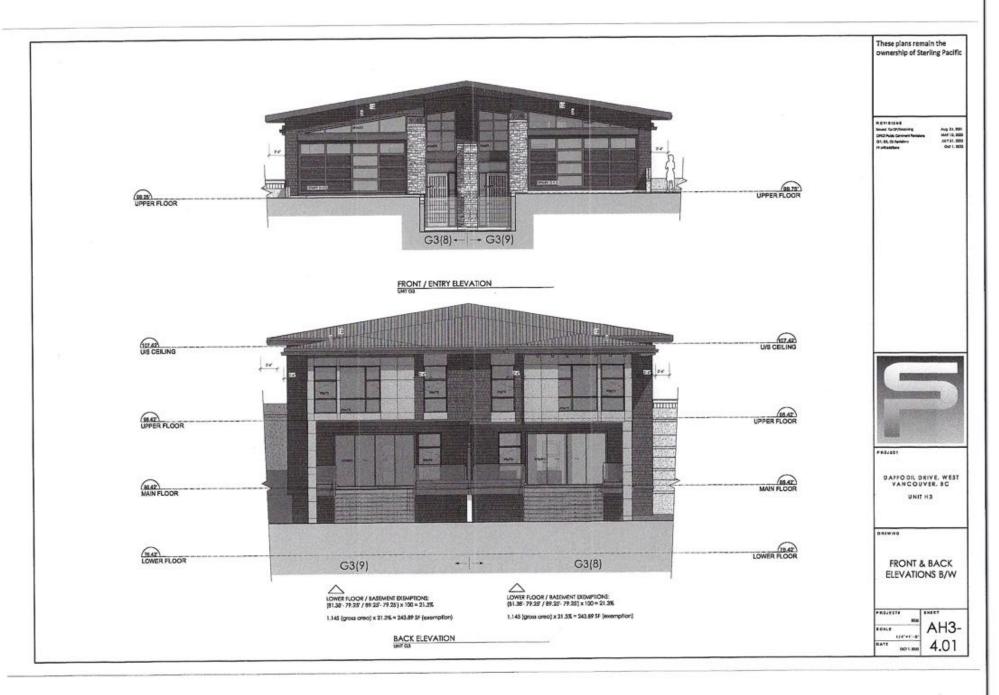


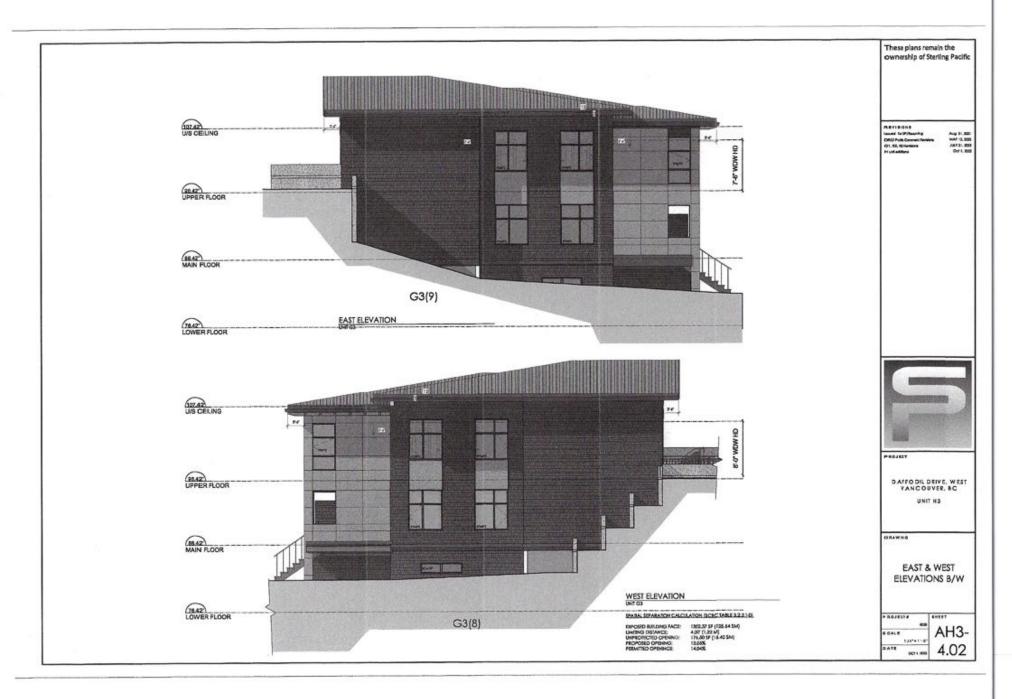


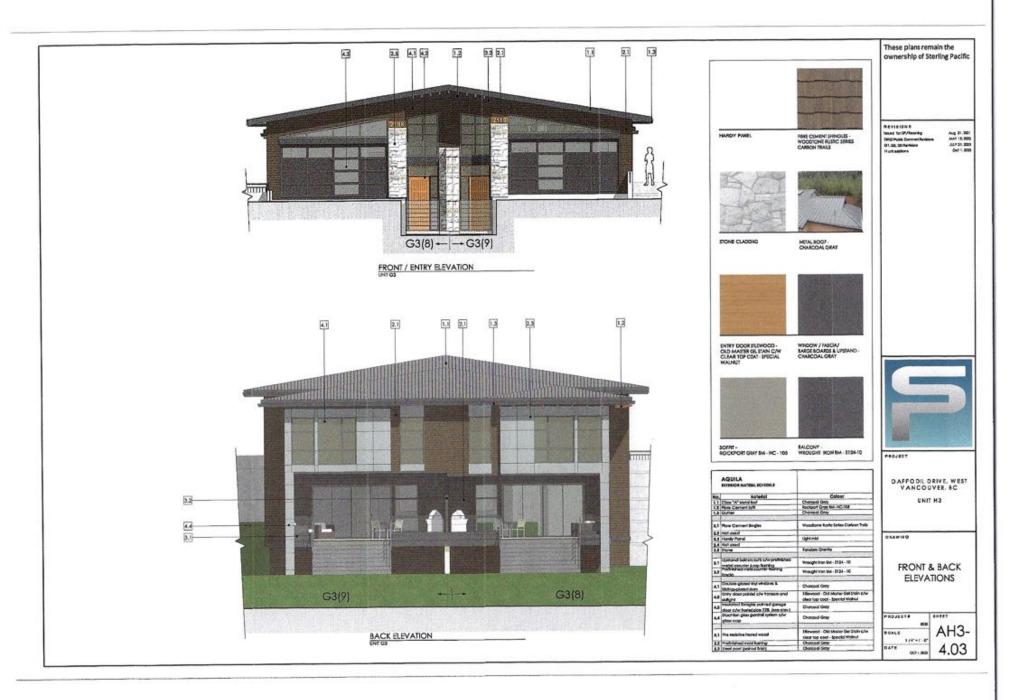


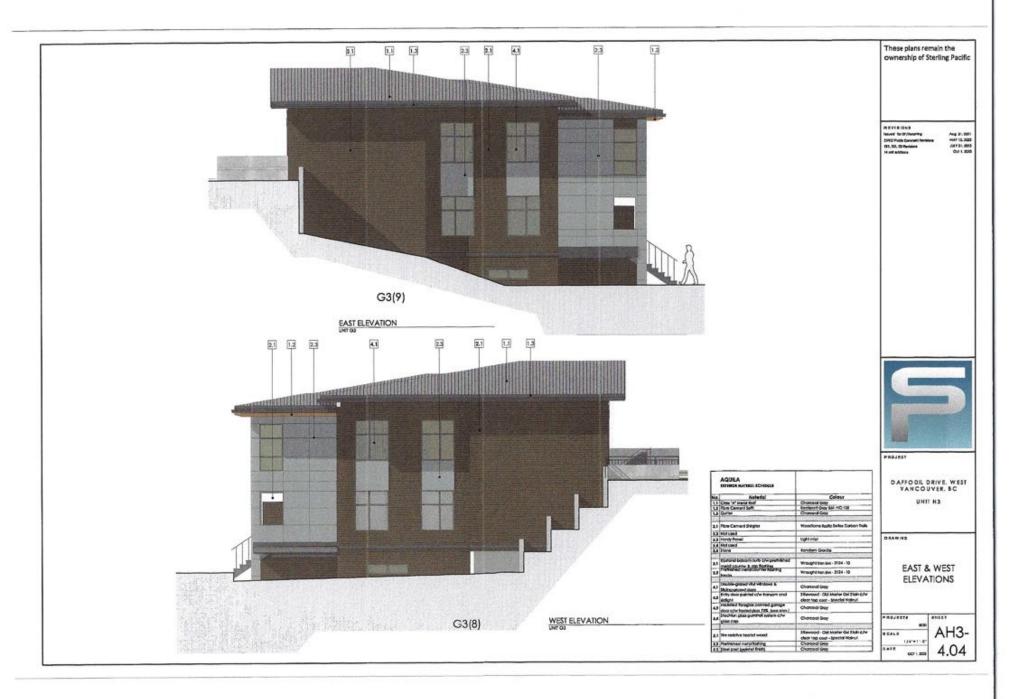






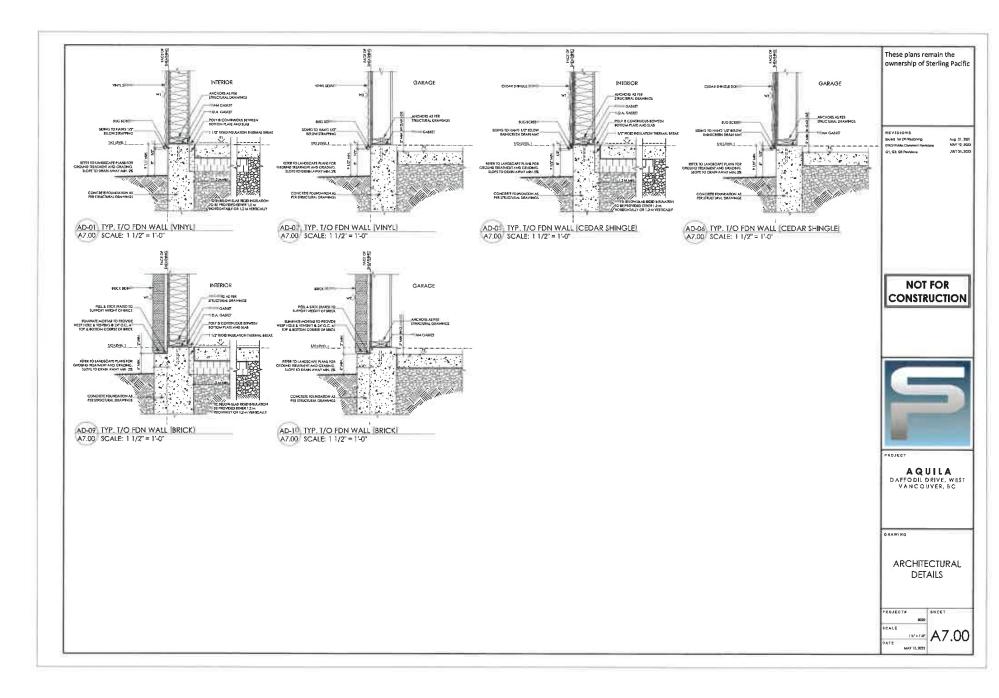








	WALL SCHEDULE ^{*plan} section						ROOF SCHEDULE						
	W	II. ASSEMBLY	REQUIRE	d provided	USTING REF.	NOTES	RC	OF ASSEMBLY	REGU	red "Rovide	D LISTING REF.	NOTES	
		CLARA SUBA ON INVOID CONNENTIAN IL PHI DI SCALTANDO STANITINO CHE NANCIELON CANTY TITUS-MOLANIANA IL CONSELUCIÓN IL CONSELUCIÓN VISIONE A BATELUIZIÓN IZ CITULIN INVILI DANO (LA DA) VIROUTE BANDEL PART	AN FR	N/A	N/A	 INSTALL STRAFFICE RELEASE WITH WALL STUDE VEN HOLES ARE REQUERED AT THE KOP AND BOTTOWN OF EACH STUD CANTON (MINIMUMA & SQLINL AT BACH LOCATION) 	R1	LANGHTER DRIVECTUS SPIKICE IN STRUCTURESCUS SPIKICE PES SPACET ANALYTIC DRIVES TO CERCITORY PES SPACET ANALYTIC DRIVES TO CERCITORY PES SPACET ANALYTIC DRIVES TO CERCITORY WIN REF 7.1. CORPUT NOULD ANALYTIC RIVER TO CERCITORY RIVER TO CERC	ei N/A		N/A	 PROVIDE EAVED PROTECTION AS PER BC.B.C. 926.5. 	REVISIONS Nuclei Or M/Raching Aug 31,921 DR/Phole Commit Reasons MV 12, 323
17.36 EFF R VALUE							40.53 EFF. R VALUE						01, 02, 03 Ravielone JULY 31, 2023
W1 HOR VINIL		плек Сырыт умихы (Сантункос Сантункос) зтальтису гок канасскего Сантут титек ноам чихан титек ноам чихан титек ноам чихан титек ноам чихан их сотор в чиго с чи стого сантикосан чи сотор сантикосан чи сотор сантикосан титек ноам сантикосан чи сотор с	A/A	N/A	N/A	 NETALL STRAPPING IN LINE WITH WALL STUDY. VENT HOLES ARE REQUIRED AT THE TOP AND BOTTOM OF EACH STUD GAVITY (MINIMUM 6 2G, IN: AT EACH LOGATION) 	R3	2 PV SET TORCH ON HOWERNE UZP DYTORIO GRAZE PLYVOCO DIEANING GETTE TO SIRICITUALI I VARED NEUR 24 WYDOD ZWILLAS CRE VIIGHAINON RETERIO SIRICITUALI 27 Y COOR ZWILLE I CO. C., RETERIO SIRICITUALI VV LOD C. AATT NEULYDD WL CO, C. AATT NEULYDD ML, RCY VARAG BARER	관 (R 30-		REF. ENERGY REPORT D-2.3.4 A, D-2.3.4 C, D-2.3.4 D.	1 PROVIDE EAVES PROTECTION AS PER B.C.B.C. 9.26.5.	
ER.R. S.T.C. 17.38 EFF R VALUE		VADURBARISE PANT	U N/A	N/A	N/A	1. PGTALL STRAPPING IN LINE WITH WALL STUDS.	Ren JULA	6 MB, POYY VAPONE FARBER SIØTITYE 'T GYRSIAN WALLBOARD	U N/	N/A	D-23.4.D. N/A		
	EXTERIOR	Pations Wonteen Actino C.W. OLANNAR(S) ARTAL 183 15 VERICAL AND 27 MORDOWN 11 ARESTACE WRITENDE 71 6 Cub Senamba (BERE TO STUCCURAL) 12 4 CUB (S) 10 CUB (S) CUB (S) 10 CUB (S) 14 CUB (S) 10 CUB (S) 10 CUB (S) 14 CUB (S) 10 CUB (S) 10 CUB (S) 10 CUB (S)	a' N/A	N/A	N/A	STRUS 2. VENI HOLES ARE REQUIRED AT THE TOP AND BOTTOM OF EACH STUD CAVITY [MININAUM & SQ, IN, AT EACH LOCATION]							
FRF SIC	STC NIERIOR			Nja	N/A		FLOOR SCHEDULE						
17.38 EFF. R VALUE					-		U3	OCR ASSEMBLY	REQU	RED ROVIDE	D LISTING REF.	NOTES	
W2		DETA DRAINMAT TO OUTSIDE REGIN GRADE 2 UATER OF BITAMOUS DAMPROOPHIC BLOW GRADE # "CONCRITE WALL INFEE TO STRUCTURAL FOR REGIT REPROPORCHIS)	ai ≊i u	N/A	N/A	1. REFER TO STRUCTURAL FOR WALL THRCKNESS	F1	THE RD IN CORRECT TO STRUCTURAL FOR THOSENESS AND EXCAVIDENT REPORT TO STRUCTURAL FOR THOSENESS AND EXCAVID REPORT REPORT TO THOSE AND TO ARE UNLY AND THOSE TO ACCUMATE TO A STRUCTURAL OR 1.3 M MORE THER TO ACCUMATE TO ASS SERVICE) COMMANDE ON ANNAURA (LL ASSERVED AS SERVICE)	¥¥ ¥	N/A	N/A	-	
FRR S.T.C EFF. R VALUE	- AFTINCK		Ŭ N/A	N/A	N/A		FR R. SX.G. 13,14 EFF, R MALUE	UNDSTURED FOR	SI C	a N/A	N/A	I. PROVIDE MINUSLOPE OF 2% TO DRAIN AS	
W3	GARAGE	2 x 437003 # 14 C C, IRREETO STRUCTURAL) W 200 / G A BIT AN BULADON U2T GYSTUM WALL BOARD (A D A) VAJOOUT BAPHICE MARKI	ei n/A ei n/A	NJA	N/A	FOR GYPSIJA IN GARAGE: KUD JONIS & SCREW HEADS, JAPE JOWIS FOR GAS SEA STUD SITES WILL BE 23 & LIMES OTHERWIST NOTED. WHERE FRAMMES IS BUILTUP FOR PLUMRING, PLUMBING SHALE BE ON THE WARK SIDE OF REQUATION.		DONCRETE SLAB (PEDER TO STRUCTURAL FOR THICENESS AND RECORDS REAL/ORCHY) (DOMLUT, POLY C COMPACTED GRAVELAR FEL (AS PER SORS REPORT) UNDERLINESS ROL	až N	A N/A	N/A	I, PROVIDE MIN, SLOPE OF 2% ID DRAIN AS PER ARCHITECTURAL PLAN,	5
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S.E.C. EFF. R.VALUE	ATTIC	NOTE FOR ALL WALL & SEMANARY AND	*			F STUDS WHERE REQUIRED (REFER TO STRUCTUR)			SIG	ia Nia	N/A		DATE NIS A6.00



Aging in Place

Aquila is a development that is multi generational whereby young families to empty nesters can find the perfect home to accommodate their needs.

A driving factor of being multi generational is the ability to age in place.

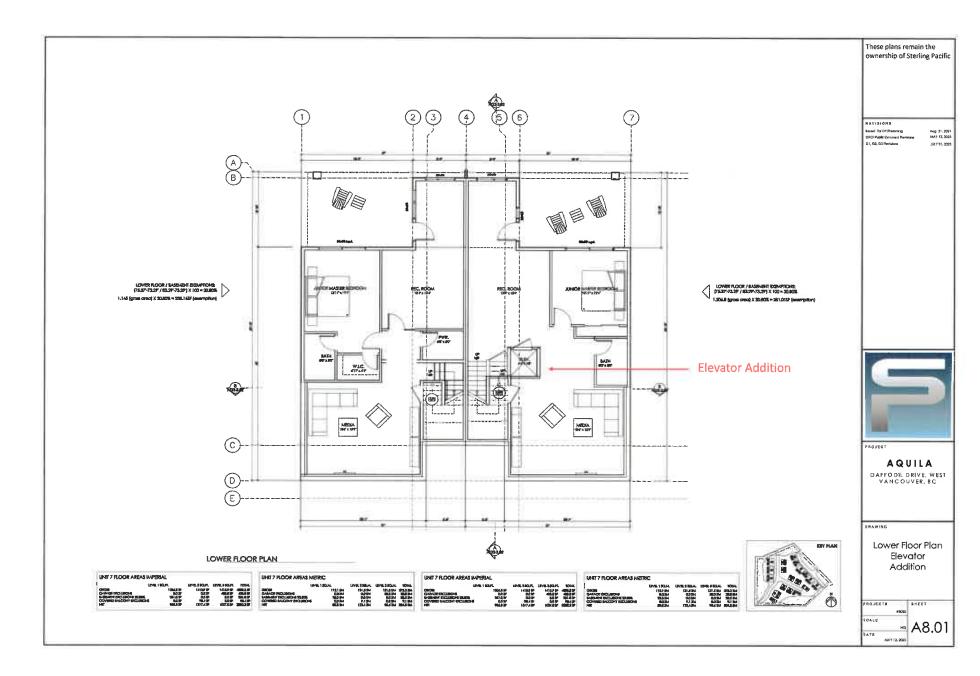
Accordingly a key component of this is to have elevator access and all of the "G" units have the ability to be equipped with elevators. This means that 12 homes or 33% of the development will have the option for elevators.

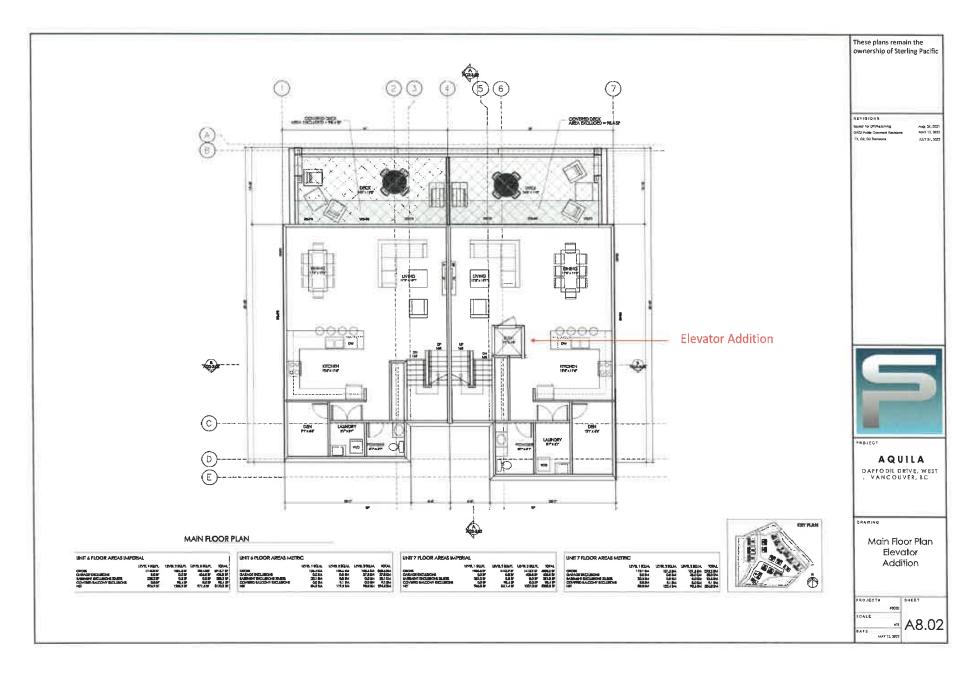
The layouts with the elevators is shown on pages 8.01,8.02 and 8.03.

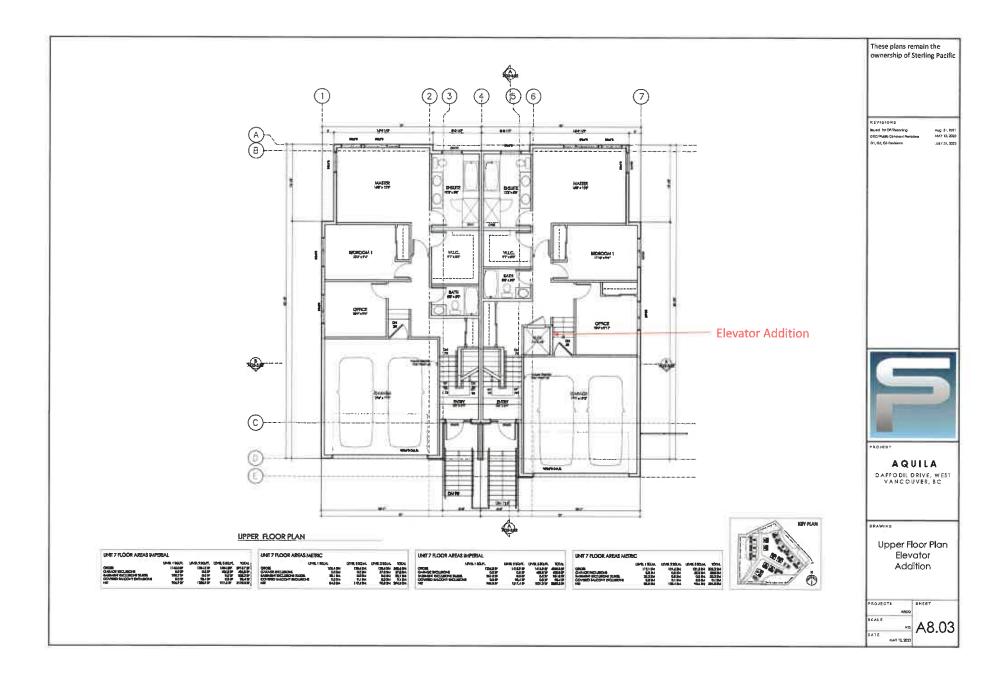












Schedule B

AQUILA **DEVELOPMENT PERMIT RESUBMISSION**

STERLING PACIFIC // CLIENT

DAVE HARPER dwharper@shaw.ca 604.831.1351

JAMIE HARPER harps.jamie@gmail.com 778.322.9340

LOCI LANDSCAPE ARCHITECTURE + **URBAN DESIGN // LANDSCAPE ARCHITECT**

MICHAEL ENNS // BCSLA, CSLA mike@locidesign.ca 604,763,2886

DAVID STEIN david@locidesign.ca 519.288.1153

LANDSCAPE DRAWING INDEX PERMIT

Sheet No. Sheet Name L0.0 COVER SHEET L1.0 L2.0 L3.0

- OVERALL LANDSCAPE PLAN LAYOUT + MATERIALS PLAN
- GRADING PLAN
- GRADING PLAN OVERALL PLANTING STRATEGY PLAN DETAIL, PLAN DAFFORIL DR. EVITRY PLANTING CONCEPT DETAIL, PLAN. THERMA, ROAD FEATURE NODE PLANTING CONCEPT DETAIL, PLAN. THERMA, ROAD FEATURE NODE PLANTING CONCEPT DETAIL PLAN. THERMACED VALL TOWHHOUSE PLANTING CONCEPT DETAIL PLAN. TYPICAL NATURALIZED PLANTING CONCEPT DETAIL PLAN. TYPICAL NATURALIZED PLANTING CONCEPT DETAIL PLAN. TYPICAL NATURALIZED PLANTING CONCEPT 14.0 14.1
- L4.2 L4.3 L4.4 L4.5
- L4.6 L5.0 L6,0 DETAIL PLAN: LAYERED PLANTS PLANT LIST + IMAGES HARDSCAPE DETAILS
- L6,1 L6,2 L6,3 HARDSCAPE DETAILS
 - FURNISHING DETAILS

GENERAL NOTES

- 1 ALL PLANTING SHALL BE IN ACCORDANCE WITH BC LANDSCAPE STANDARD, LATEST EDITION
- 2. ALL PLANTING AREAS TO RECEIVE AUTOMATIC DRIP IRRIGATION, WITH TIME CLOCK AND RAIN SENSOR 3. ALL LANDSCAPE ARCHITECTURAL DRAWINGS IN THIS PACKAGE SHALL BE READ
- IN CONJUNCTION WITH ALL OTHER CONSULTANT DRAWINGS, DETAILS, SPECIFICATIONS, AND ANY OTHER CORRESPONDENCE THAT MAY BE ISSUED DURING THE COURSE OF THE CONTRACT
- 4. IF A DISCREPANCY OCCURS BETWEEN THE DRAWINGS AND THE SPECIFICATIONS OR ANY OTHER DOCUMENT ASSOCIATED WITH THE PROJECT, THE CONFLICT SHALL BE REPORTED IN WRITING TO THE LANDSCAPE ARCHITECT TO OBTAIN CLARIFICATION AND APPROVAL BEFORE PROCEEDING WITH WORKS
- 5. ALL EXISTING INFORMATION IS BASED ON AVAILABLE RECORDS AND SHALL NOT BE CONSTRUED TO BE COMPLETE OR ACCURATE.
- 8. THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY THE TRUE EXISTING CONDITIONS ANY UNCLEAR ISSUES SHALL BE CLARIFIED WITH THE CONSULTANT TEAM. NO CLAIM SHALL BE ALLOWED FOR EXTRAS WHICH MAY ARISE THROUGH NEGLECT OF THIS ADVICE
- 7. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXISTENCE. LOCATION, AND ELEVATION OF ALL UTILITIES AND CONCEALED STRUCTURES, AND IS RESPONSIBLE FOR NOTIFYING THE APPROPRIATE COMPANY, DEPARTMENT OR PERSON(S) OF ITS INTENTION TO CARRY OUT ITS OPERATIONS
- & LAYOUT OF PAVING, WALLS, SITE FURNITURE, SOIL, PLANTING, AND ALL OTHER LANDSCAPE MATERIALS IS TO BE STAKED OUT AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- 9. ALL DIMENSIONS AND ELEVATIONS ARE IN FEET UNLESS OTHERWISE NOTED VERIFY ALL ELEVATIONS WITH FIELD CONDITIONS REPORT ANY DISCREPANCIES TO CONSULTANT TEAM FOR REVIEW AND RESPONSE.
- 10. ALL UTILITIES TO BE STAKED OUT BY CONTRACTOR AND PROTECTED FOR DURATION OF CONSTRUCTION PERIOD

1. PROTECT ALL EXISTING STRUCTURES

- 12. ALL SUBSTITUTIONS OF SPECIFIED MATERIALS TO BE APPROVED BY LANDSCAPE ARCHITECT
- 13 FINAL PLANT SPACING, QUANTITY AND TREE PLACEMENT HAS BEEN REVIEWED TO THE SATISFACTION OF GENERAL MANAGER OF ENGINEERING SERVICES.
- 14. LOCI LANDSCAPE ARCHITECTURE + URBAN DESIGN DOES NOT GUARANTEE THE EXISTENCE, LOCATION, AND ELEVATION OF UTILITIES OR CONCEALED STRUCTURES AT THE PROJECT SITE



DESIGN RATIONALE:

KEY ITEMS: SITE ENTRIES

2 DRIVE COURT

-Accent paving bands

3 COMMON MEETING/REST AREA -Unit pavers/gravel -Benches -Accent planting

-Viewing deck + bench

ONSITE STORMWATER DETENTION AREA -Native shrubs + trees

COMMUNITY TRAIL (EAGLE CREEK TRAIL) -Community troil along historic skid trail

-Ornamental trees -Layered native plants

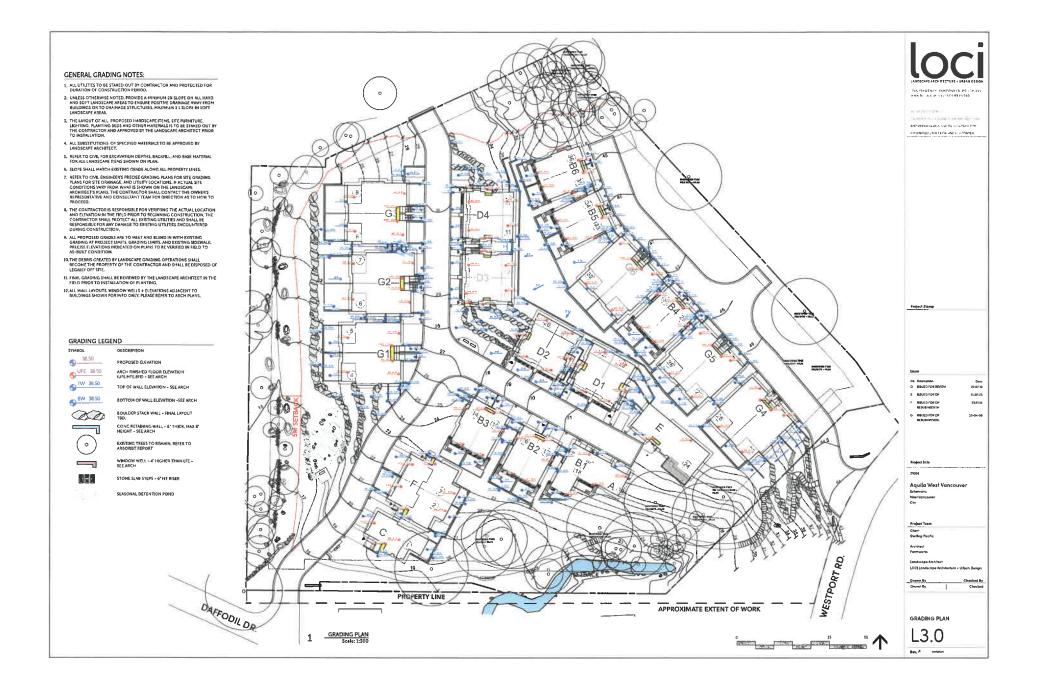
-Feature wall, possible arch feature -'Aquila brand' signage

The overall landscape design for the site is inspired by the natural west coast setting it sits on, with existing forest stands along the perimeter and selected groupings within the residential areas augmented by new understorey native trees, shrubs and boulder groupings. Accent plantings of ornamental grasses, perennials and small trees provide colour and texture for variety and seasonal interest, placed at unit entries as well as at site entries and adjacent to paths. Retaining walls will be a mixture of boulder stacks, placed strategically to allow for pocket planting, and architectural concrete walls at entries to the units as required. Collectively, the materiality is aimed to promote a landscape experience that allows the residents to feel this development is part of the site's history.

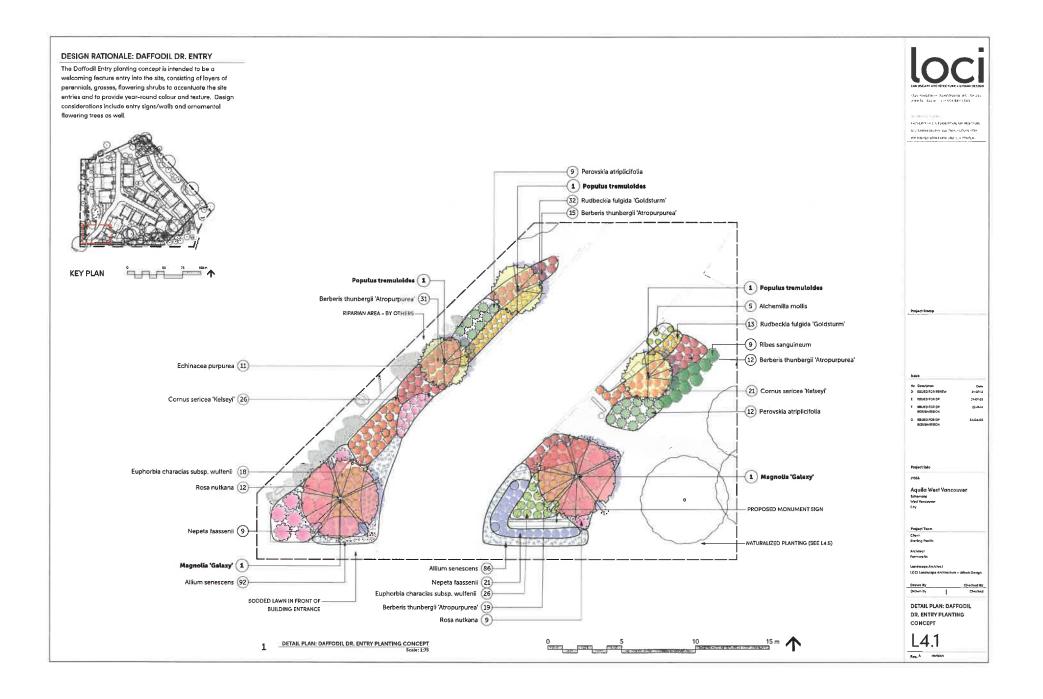
From a site amonity perspective, a feature for all residents is the Eagle Creek trail, a linear trail along the existing Eagle Creek that is comprised of a meandering pathway, resting benches, and naturalized plantings. This public amenity will connect lower Daffadil Drive with Westpart Road, and provide an easy-to-access natural and recreational addition to the community. To the west, the reclaimed watercourse and wetland area is "opened up" for residents, with a small path and viewing deck proposed along the main entry road. Site circulation is further enhanced with gravel pathways that connect the future upper and lower benches of the site.

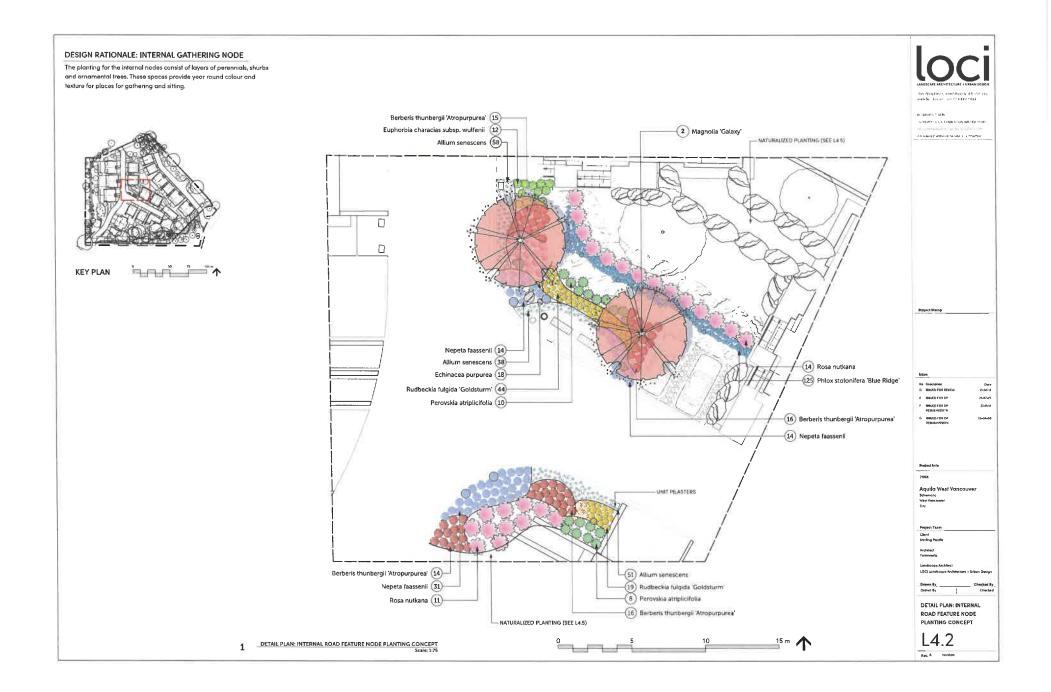






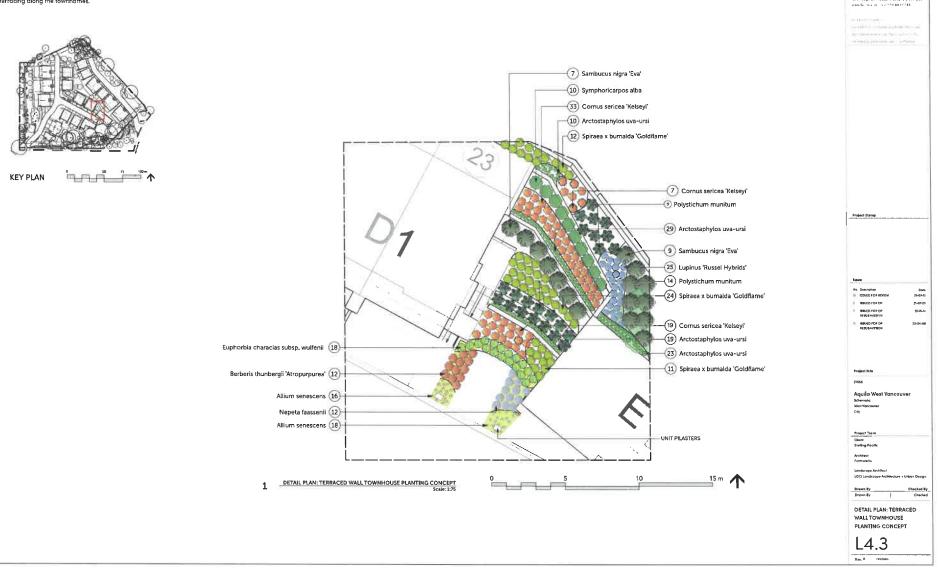




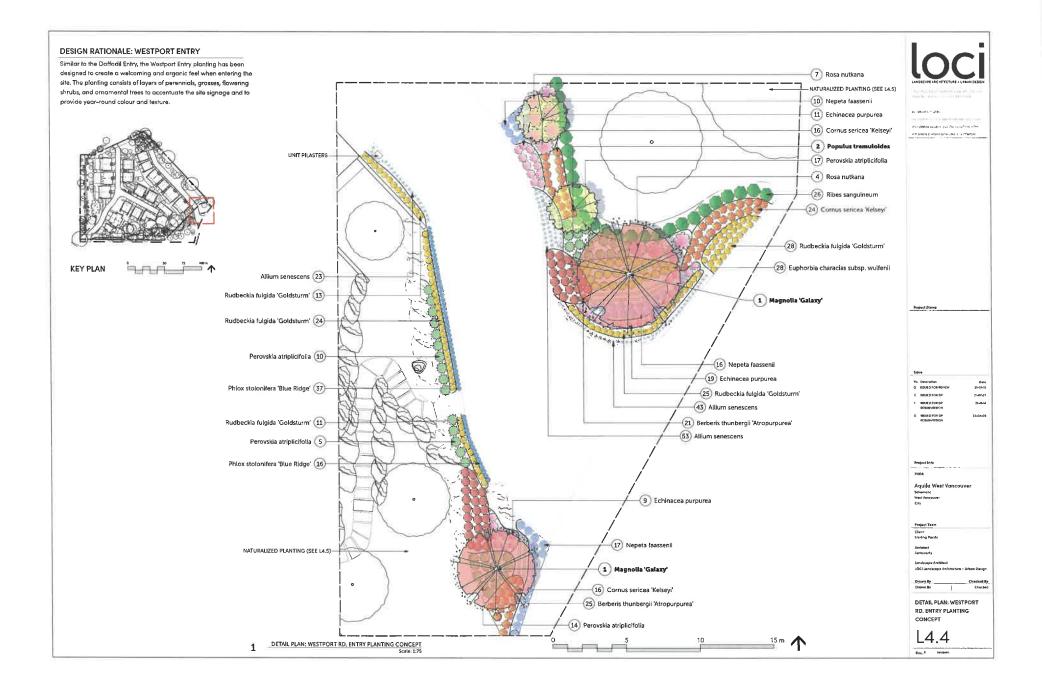


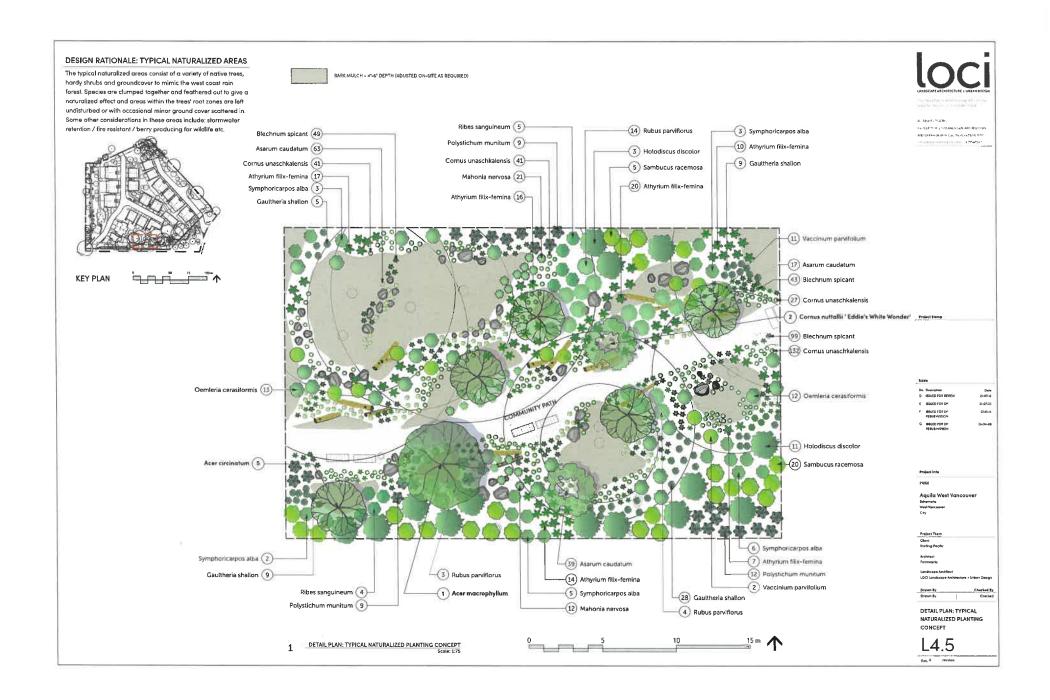
DESIGN RATIONALE: TERRACED WALL BETWEEN D AND E UNITS (WIDER GAP)

Within the terracing walls between the townhouses, are layers of naturalized shrubs and perennials. These layers of planting assist in screening the walls and create a organic flow of vegetation terracing along the townhomes.



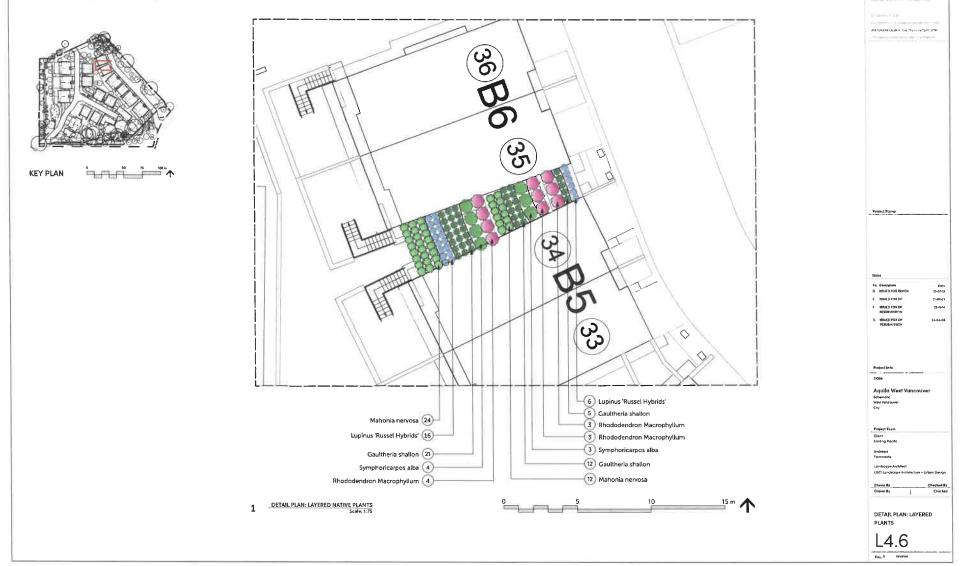
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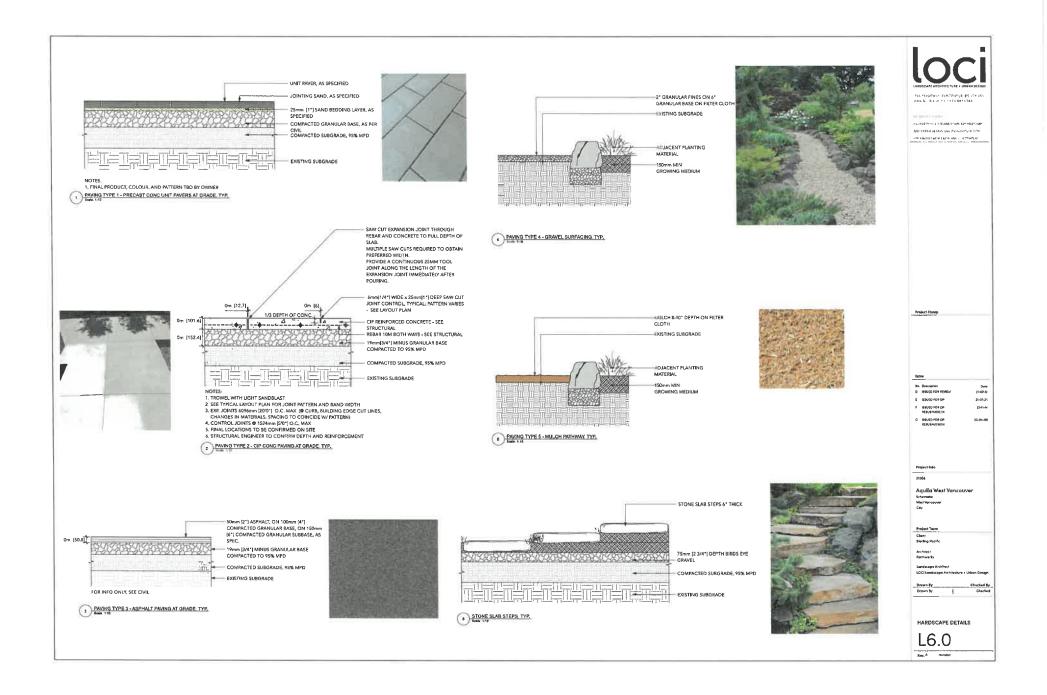
DESIGN RATIONALE: TERRACED PLANTING BETWEEN B UNITS (NARROW GAP)

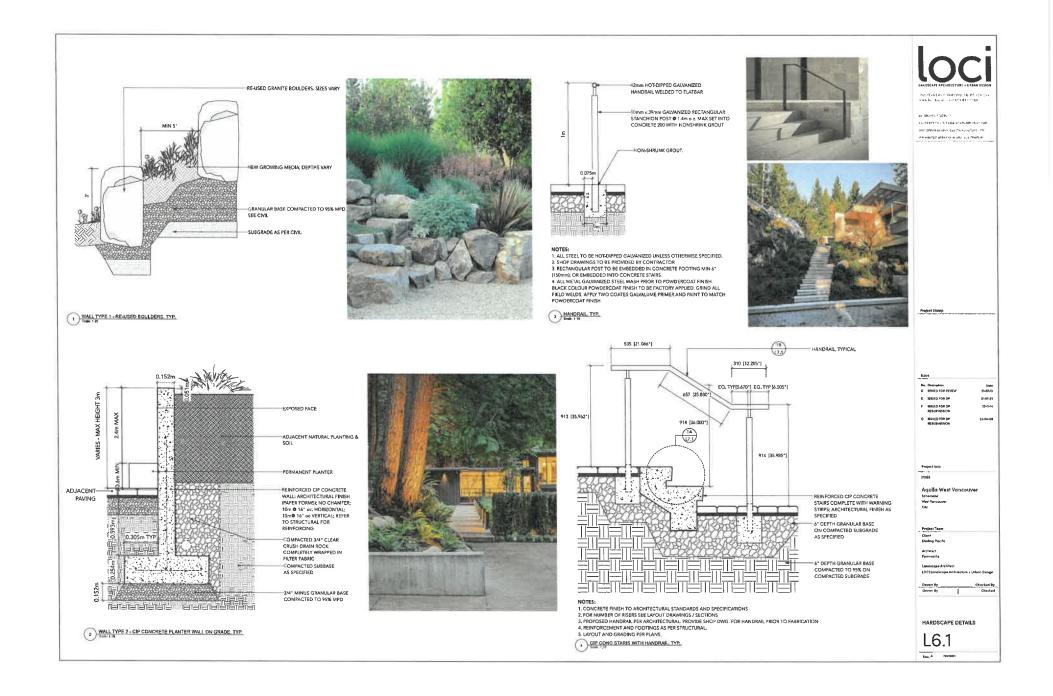
Fire-resistant and native species are layered upon terraces to soften light spaces between units. Evergreen rhados, salad and mahania ground the simple planting with year-long greenery while lupines and snowbery provide seasonal interest.



loci

	NARY PLANT					OVERALL PL	ANT IMAGES	1					
	Latin Name	Common Name	Scheduled Size	Spacing	Notes	TREES:	- Ann		-	-			
IS TREES:	Acer circinatum	Vine Maple	6cm cal.	As Shown	958	all - Mill	A STAR	and the second	A STATE OF	State of the			ANDSCAPE ARCHITECTURE + URE
	Acer məcrophyllum	8ig Leaf Maple	Bcm cal.	As Shown	866	A Palanta	THE DESK	and the second	1000	and S. Martin			annia da a arrendesero
	Comus nuttallii * Eddie's White Worde		6cm cal.	As Shown	BéB	States and States	Sec. St.	2					an internet of the state of the second
	Magnolia 'Galaxy'	Galaxy Magnolia	Zom cal.	As Shown	848		COR. I ALLER	And the second					
	Populus tremulaides	Trembling Aspen	6cm cal.	As Shown	BPB	As at Estimation Vine Maple	Big Leaf Maple	Eddies White Wonder	Magnalia Galaxy Galaxy Magnolia	Popular tremuloister Trembling Aspen			
	Populas tremalates	тепцану курен	ochi cac	AS SHOWIN	660	SHRUBS:							
	Berberis thunbergli 'Atropurpurea'	Japanese Barberry	#2 Pot	0.61m p.c.		108.45 4000	Contraction of the	The second	A. F.	day N	- le	and the second	
	Comus sencea 'Kelseyi'	Kelsey's Dwarf Red-Osier Dogwood	#2 Pot	0.61m o.c.		A SHALL		Kan I The		1.000	- Sister		
	Gauttheria shallon	Salat	#1 Pot	0.5m o.c.		a state		and have a	A STATE OF STATE	and the second	Carl Station	1.1	
	Holodiscus discolor	Ocean Spray	#5 Pot	2m o.c.		2 States	COLUMN YOUR	A STAR	E Thread the	- MENNE	- State 1	The second	
	Mahonia nervosa	Creeping Oregon Grape	#2 Pot	0.45m o.c.		Berberla Mutherpil	Corner Kelsey	Rhododendron	Ribes sanguineum	Fise nufkana	Philode Johns Lewisp	Potentilla truticasa	
E.	Demleria cerasiformis	Oso berry	#S Pot	1,5m o.c,		Jepunsee Burbarry	Red-Oxer Dogwand	<i>macrophyllum</i> Pacific Rhododendron	Red Flowering Current	Noatka Rose	Blizzard Mockorange	Bush Cinquefoil	
	Ribes sanguineum	Red Flowering Currant	#5 Pot	0.91m o.c.		THE REAL PROPERTY.	18. 17 Miles						
62	Rosa nutkana	Nootka Rose	#5 Pot	1,22m o.c.			Contraction of the local division of the loc						
6	Rubus parvillorus	Thimbleberry	#2 Pat	1,2m o,c,									
N.	Sambucus nigra 'Eva'	Black Lace TM Elderberry	#3 Pot	1.22m o.c.									
F	Spiraea x bumalda 'Goldflame'	Goldflame Spirea	#2 Pot	0.61m o.c.		Sambucus nigra	Spirea x bumalda						
).	Symphoricarpos alba	Snowberry	#3 Pol	0,91m o.c.		Black Lace Elderberry	'Goldflame' Goldflame Spirea						Project Stamp
	Vaccinium parvifolium	Red Huckleberry	#5 Pot	1m a.c.			SSES, GROUNDCO	VED.					
ALS, GRASSES	GROUNDCOVER:					PERENNIALS, GRA	SSES, GROUNDCO		View J	1000 Store 10	11 1343	A CALIFORNIA CONTRACTOR	
	Alchemilla mollis	Lady's Mantle	#2 pot	0.4m o.c.				The second	100-00	. 19 19	みました	the tay do the	
5	Allium senescens	German Garlic	#1 Pot	0.3m o.c.		a strategy				E. 6/7 @		and the state	146.000
	Arctostaphylos uva-ursi	Bearberry, Kinnikinick	#1 Pot	0.3m a.c.		S. C. States	LUX TO STA	A STAN	- 15 A.L.			141 10 1	No Description
),	Asarum caudatum	Western Wild Ginger	10cm Pot	0.3m o.c.		Alchemilia mollis	Allium same	Arctostaphyla		Euphorbie Character	Lupinus 'Russel Hybrids'	Nepeta faassenii	D ISSUED FOR REVIEW
	Athynum filix-femma	Lady Fern	#1 Pot	0.75m o.c.		Lady's Mantle	German Corfic	Bearberry	Parple Coneflower	Spunye	Dwarf Lupine	Calmint	F ISBUED FOR DP RESUBMISION
	Blechnum spicant	Deer Fern	#1 Pot	0.4m o.c.		Same	a granting and		THE OWNER OF				G INSUED FOR DA RESUBATIVON
	Comus unaschkalensis	Western Bunchberry	10cm Pot	0,3m o.c.			1200		A Stantaly				
	Echinacea purpurea	Purple Coneflower	#1 Pat	0.61m o.c.		E BRIDE BURN	and the second		the second				
	Euphorbia characias subsp. wulfenii	Spurge	#1 Pot	0.61m o.c.		404			Contraction (Section 1997)				Project Info
	Lupinus 'Russel Hybrids'	Dwarf Lupine	#1 Post	0.46m o.c.		Perovekia atriplicitatia	Philos stalanifera	Polystichum munitum	Rudbeckia fulgida 'Goldet	urm*			21066
	Nepeta faassenii	'Cat's Meow' Catmint	#1 Pot	0.61m o.c.		Russian Sage	Creeping Phlox	Western Sword Fern	Black-eyed Susan				Aquila West Vancouv
R.	Perovskia atriplicifolia	Russian Sage	#2 Pot	0.76m o.c.		NATURALIZED FO	REST PLANTING						Schemolic Wast Valic puver City
	Phlox stolonifera 'Blue Ridge'	Creeping Phlox	#1 Pot	0.3m a.c.		INTO OCCUPED FO	and the second second	the second	(Here and a second	A HAR DO NO	CARGE AND		
b	Polystichum munitum	Western sword (ern	#3 Pot	0.91m o.ć.		and a set	100	Market Street	100	in grant of the	AL SPECE	Longer Harry	Project Teem
	Rudbeckia fulgida 'Goldsturm'	Black-Eyed Susan	#2 Pot	0,46m a.c		-	all and a	ALL AL		A CONTRACTOR	A STATE OF	(1997)至1988)	Client Sterling Pacific
						ALC: NOT	CLASSED .	A States	Start And		1979 B. S. H.		Architect Fornowerks
						Asarum caudaterm	Athyrium filix-fe	Photo and a spicant	Cornus — aschkalensis	Gautteria shallon	Helodiscus discolor	Camlenta cargaiformia	Landscape Architect
T MATERIAL AND	LANDSCAPING PRACTICES SHALL BE COMPLIANT WIT	TH THE LATEST EDITION OF THE BOUND NURSERY	STANDARD.			Western Wild Ginger	Lody Fern	D eer Fern	Western Bunchberry	Salei	Ocean SPray	Oso Berry	timum By
IT MATERIAL TO B	BETWEEN PLANT INFORMATION ON THE LIST AND O ADING LAYOUTS AS WELL AS LOCATION AND SPACIN E MANUALLY WATERED FROM START OF INSTALLATIO	IN THROUGH THE END OF THE WARRANTY PERIO	D.				5-1002	State of the second	W	Calles -	19219		Drown By (
TREE PROTECTION	I FENCING AROUND ALL EXISTING TREES TO CITY ST IV. TREE SPECIES TO THE SATISFACTION OF THE GEN	ANDARDS, INSTALL TREE PROTECTION FENCING	ON NEW PLANTING #				2014		and the second	and the second	AS SAY -	Section and	
L MUST BE OF GO	I''O' IZAM) LONG AND 18' (0.46M) DEEP, PLANTING (8'-O' IZAM) LONG AND 18' (0.46M) DEEP, PLANTING (NLLED WITH APPROVED ROOT BARRIERS, TREE GL DEPTH OF ROOT BALL MUST BE BELOW SIDEWAL	GRADE, NEW STREET	TE SOIL. TREES TO BE GON	FIRMED PRIOR TO ISSUANCE OF THE BUILDING PERMIT,	and the second of	- AVALERS	Contraction of the second	CI I	- Jon	ALL CALL	No. and State	PLANT LIST + IMAGE
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Project Info 21066

Project Team Clent Siveling Pacific Architect Fortweeks Londbrope Archi

Drawn By

Aquila West Vancouver Schemonc West Vancouver City

FURNISHING DETAILS

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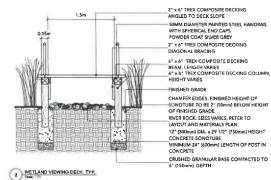
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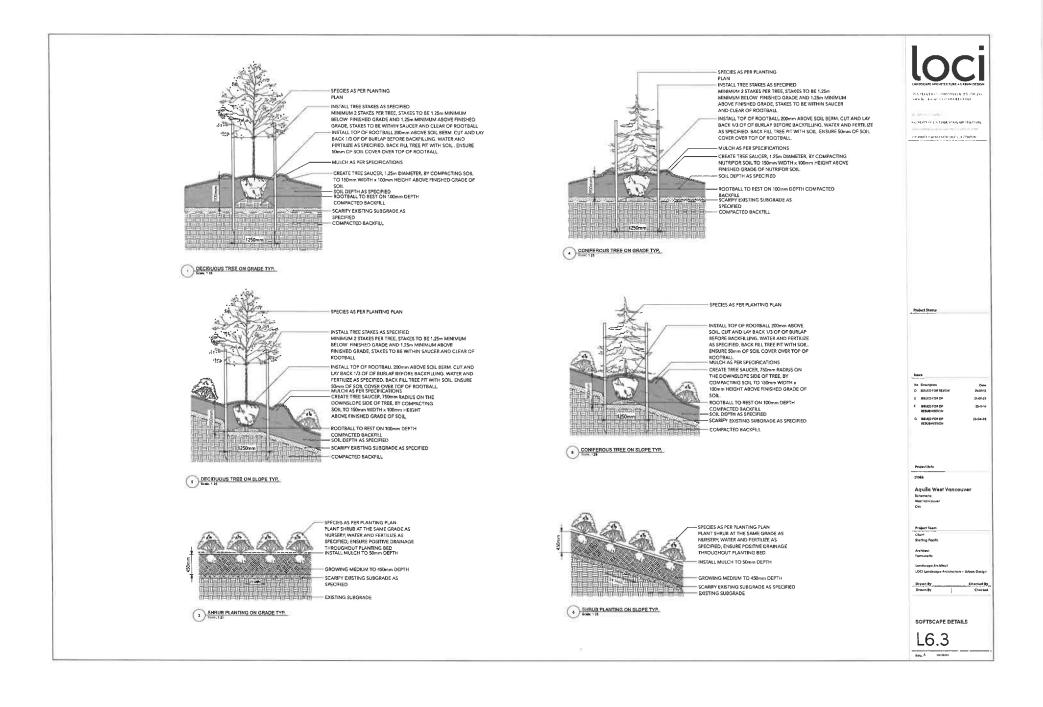




1 BENCH Scile NTS LANDSCAPE FORMS: PALISADE BENCH



UNIT STONE PILASTERS, TYP.



Schedule C



1 - 38920 Queens Way Squamish, BC V8B 0K8 604-898-1093

October 6, 2022 File: 1558 Rev 2

Jaime Harper 14-636 Clyde Avenue West Vancouver, BC

Attention: Jaime Harper

RE: Preliminary Landslide Hazard Assessment – Proposed Subdivision 5600 Block, Daffodil Drive, West Vancouver, BC

1.0 INTRODUCTION

We understand that it is proposed to subdivide the subject property¹ into thirty-six residential units and that the District of West Vancouver requires that a landslide hazard assessment is completed in accordance with EGBC² guidelines.

This report provides a preliminary qualitative landslide hazard assessment of the subject property. It has been prepared exclusively for our client, for their use, the use of others on their design team and the District of West Vancouver for use in the development and permitting process, however it remains the property of Frontera.

2.0 SITE DESCRIPTION

The site encompasses an area of 1.8 hectares situated on a southwest facing slope with an average slope of approximately 1V:3H. It is bound by a BC Rail Right of Way to the north, Westport Road to the east, Eagle Creek, Daffodil Drive and residential lots to the south, and residential lots to the west.

Private roadways currently cross the site, which is largely undeveloped and forested with cedar trees, to provide access from Westport Road and Daffodil Drive to the residential property at 5665 Daffodil Drive. There is some evidence of historic site usage, most likely related to forestry.

3.0 DESKTOP REVIEW

Review of published geological maps for the area indicate the site is likely to be underlain by glacio-marine ice contact deposits described as; sand and gravel, stratified to massive and commonly faulted; generally greater than three metres thick; forming hummocky surfaces, may be fossiliferous.

Major infrastructure projects have been constructed adjacent the proposed subdivision with similar topographic and geological conditions including Westport Road and the BC Rail line.

The site is not in the BC landslide inventory and review of publicly available LiDAR information and site survey plans shows no visual signs of land instability.

¹ Lot C (Reference Plan 3355), Group 1 New Westminster District excerpt part in Reference Plan 11716 District Lot 1374 Group 1 New Westminster District.

² Guidelines for Legislated Landslide Assessments for Proposed Residential Developments in BC (May 2010).



4.0 FIELD REVIEW

4.1 General

A site reconnaissance was completed by Frontera on 24 February 2021 and included a site walk-over, measurement of slope angles, surface observations of rock outcrops and two sub-surface penetration tests (Scala Penetrometer) to determine the relative strength and thickness of near-surface soils.

Test locations are identified on Drawing 1558-01 following the text of this report.

Detailed results from the penetration tests are provided in Appendix A and photos from the reconnaissance in Appendix B.

4.2 Discussion

Based upon the results of the field review the general subsurface conditions are expected to comprise of relatively loose organic rich colluvium and topsoil, in the order of one metre thick, overlying relatively dense native soil or granitic bedrock.

Steeper terrain, defined as greater than 35 degrees, was generally isolated to natural rock-outcropping or disturbed ground related to the BC Rail Line or existing roadway from Westport Road. No active or historic evidence of landslide were noted. Surficial soil creep was evident in juvenile and mature trees across the slope.

Rock outcrops were noted on proposed Lot's B5, B6, G6, B4, G5, G4, D4, D3, B3. The rock can generally be described as blocky with several persistent joint sets with a possibility for toppling on west aspect cuts. No major rock instability was noted at the time of the review.

The rock outcrops also lie within the proposed alignment for the roads into the development via Westport Road and Daffodil Drive.

Shot rock forming the southwest embankment of the BC Rail line on the upslope side of the proposed development is sloped at approximately 45 degrees.

Persistent groundwater seepage was noted at the bedrock contact in the northern corner of the property adjacent to a small creek (north side of proposed Lot B6).

A summary of the field review observations are provided on a marked up plan of the proposed sub-division on Drawing 1558-1 following the text of this report.

5.0 LANDSLIDE ASSESSMENT

The objectives of the landslide assessment were to; review and characterize landslides (active, inactive, dormant and potential) within or beyond the proposed subdivision development, estimate associated landslide hazards and compare the estimates with a level of landslide safety adopted by the approving jurisdiction.

Based on the results of our desktop and field reviews, there are no obvious signs of recent or historic landslide activity on, or in immediate areas beyond the property.

The District of West Vancouver does not specify a risk tolerance criteria for landslide hazard for new developments. For the purposed of this report, we have adopted the risk tolerance criteria used by the District of North Vancouver (2009), which species a maximum 1:100,000 risk of fatality per year, and or a static factor of safety greater than 1.5 for slopes associated with new developments.



Based upon the available information, Frontera estimates that landslide hazards at the proposed site exceed the DNV's risk tolerance criteria for new developments and subsequently certify that the land may be safely used as intended, provided that the recommendations provided in this report are completed in subsequent stages of design.

6.0 RECOMMENDATIONS

The proposed tree removal works, earthworks and rock blasting will not significantly increase the risk of a major, deep-seated landslide on the property. However, they may increase rockfall hazard and cause areas of isolated slope instability. Rockfall hazard and the stability of cut slopes should be assessed and demonstrated to meet accepted risk tolerance criteria by a geotechnical engineer during detailed design of the subdivision. Further, a geotechnical engineer should be engaged to provide recommendations for permanent and temporary slope batters, potential blasting requirements, retaining walls, fill placement, compaction, and pavement recommendations.

We recommend ongoing use of the District of North Vancouver (2009) natural hazard risk tolerance criteria is adopted when demonstrating appropriate levels of slope stability for the final design.

Development of the site should also consider hazards associated with rockfall from excavation or existing sources during detailed design. Rockfall risk may be increased as a direct result of construction activities or naturally due to climatic or biological events that cause a change in forces acting on a rock including; changes in the groundwater regime, erosion during heavy rainstorms, freeze-thaw processes during winter, chemical degradation or weathering of the rock over time, root growth or leverage of roots moving in high winds. It should be noted that the proposed tree removal works may significantly increase the rockfall risk; proposed tree removal should be considered in the rockfall hazard assessment.

Once grades and rock cut depths have been finalized, we recommend that the rockfall risk is reviewed and that recommendations are provided with respect to rockfall mitigation as required during the detailed design phase of the subdivision.

7.0 SUMMARY

Frontera was engaged to complete a preliminary landslide hazard assessment for the proposed subdivision of 5600 Block, Daffodil Drive in West Vancouver.

The objective of the assessment was to review and characterize landslides within or beyond the proposed subdivision and comprised of a desktop review of available relevant information and a site reconnaissance. Details are provided in Sections three and four respectively.

Relevant notes from the site reconnaissance are provided on Drawing 1558-1 including the identification of an area of groundwater seepage, rock-outcropping and areas that may provide a potential rockfall hazard for the proposed development.

Frontera is of the opinion that there are no obvious signs of recent or historic landslide activity on, or in immediate areas beyond the property and estimates the likelihood of a landslide occurring and affecting the proposed subdivision is low and exceeds the DNV's acceptable risk tolerance criteria for new developments.

During detailed design of the subdivision, demonstration of appropriate levels of landslide and rockfall stability risk should be completed by professional engineers for the final layout and proposed grades.



8.0 CLOSURE

This report is prepared solely for use by our client and their design team for this project as described to the general standards of similar work for similar projects in this area and no other warranty of any kind is expressed or implied. Frontera Geotechnical Inc. accepts no responsibility for any other use of this report.

We are pleased to assist you with this project, and we trust this information is helpful and sufficient for your purposes at this time. Please do not hesitate to call the undersigned if you require clarification or additional details.

Yours truly,

Frontera Geotechnical Inc.

Reviewed by:

NUM

Ralph Burden, EIT Geotechnical Engineer



2022-10-07

PTP # 1001392 Daniel Sims, P.Eng. Geotechnical Engineer



APPENDIX A

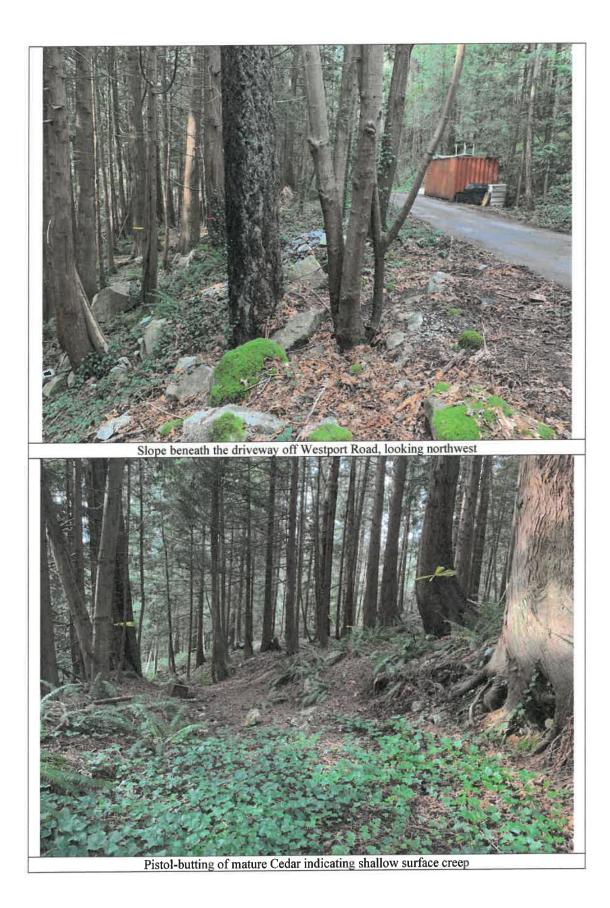
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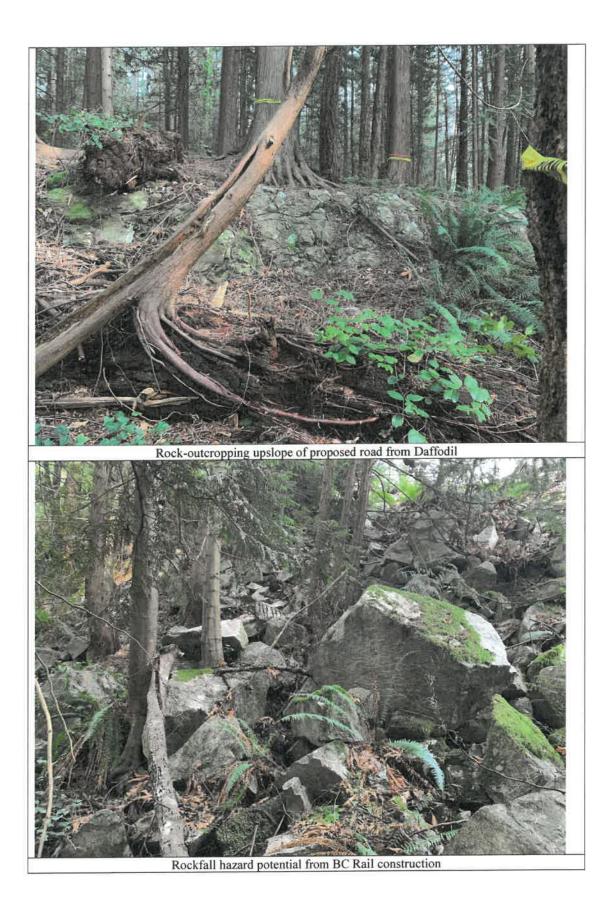
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APPENDIX B

Photos







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