

15TH STREET ELEVATION

REZONING APPLICATION HOMES ON FOURTH 429 EAST 15TH STREET, NORTH VANCOUVER

Legal Address: LOT 6, BLOCK 53, DL. 550, PLAN 1698 PID: 014-408-929

OWNERS: 1264812 BC LTD.

APPLICANT: VERNACULAR STUDIO INC.

ISSUED FOR: REZONING DECEMBER 20, 2024

PROJECT SYNOPSIS

Current Lot Area: 15.24 M x 44.69 = 681.20 SM [50' X 146.63' = 7,332 SF]

Current Zoning: RS1

Proposed Zoning: RS2 (with minimum lot size relaxation)

As minimum lot size is 334.45 SM (3,600 SF) lot area. Ref. Bylaw 506 (1)d

Proposed FSR: 0.50 FOR EACH LOT

Subdivision: From ONE LOT INTO TWO LOTS OF 7.62 M. (25 FT.) WIDE

CIVIC ADDRESS 429 East 15th Street, NORTH VANCOUVER East Lot (Lot A) LEGAL ADDRESS Lot:6; Block 53; DL 550; Plan 1698 P.I.D. 014-408-929 PROJECT STATISTICS PERMITTED PROPOSED LOT AREA (EACH PROPOSED LOT) 7.62 M X 44.69 M. = 340.59 SM. 25' x 146.63' = 3,666 S.F. LOT FRONTAGE 7.46 M (24.5') 7.62 M (25.0') LOT COVERAGE 30% 30%] 102.17 SM [1,099 SF] [30%] 102.17 SM [1,099 SF] REARYARD (LOT DEPTH 35% of lot) 13.40 M [43.98'] 18.19 M [59.70'] 70.29 SM. [1,833 SF] 170.29 SM. [1,833 SF] F.S.R. (0.50) BASEMENT 86.67 M [933.0 SF] 86.67 M [933.0 SF] MAIN UPPER 83.61 M [900 SF] GFA EXCLUSION (MECH. ROOM) PROPOSED NO. OF UNITS 2 (ONE SFD + SECONDARY SUITE) DEVELOPMENT PROPOSAL DESIGNATION & BY-LAW TABLE PROPOSED OCP DESIGNATION Level-1 Level 1 ZONE FD-RS1 SFD-RS2 HEIGHT 10.1 M [33.1" 8.93 M [29.30'] TOP PLATE 8.0 M [26.2'] 8.0 M [26.2'] SETBACKS: 4.57 M (15.0') 4.57 M (15.0') FRONT (NORTH) .22 M [4'] SIDE (WEST) 1.22 M [4 FT] WEST (EAST) .22 M [4'] .22 M [4 FT] REAR (SOUTH) 3,40 M [43,98'] 18.19 M [59.70" PARKING SPACE BICYCLE SPACE [40%] 68.11 SM. [733.2 SF] [39%] 66.90 SM. [720.0 SF] SECONDARY SUITE

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CIVIC ADDRESS	429 East 15th Street, NORTH VANO	OUVER
LOT	East Lot (Lot B)	
LEGAL ADDRESS	Lot:6; Block 53; DL 550; Plan 1698	
P.I.D.	014-408-929	
PROJECT STATISTICS	PERMITTED	PROPOSED
LOT AREA (EACH PROPOSED LOT)	7.62 M X 44.69 M. = 340.59 SM.	
	25' x 146.63' = 3,666 S.F.	
LOT FRONTAGE	7.46 M (24.5')	7.62 M (25.0')
LOT COVERAGE 30%	[30%] 102.17 SM [1,099 SF]	[30%] 102.17 SM [1,099 SF]
REARYARD (LOT DEPTH 35% of lot)	13.40 M [43.98']	18.19 M [59.70']
F.S.R. (0.50)	170.29 SM. [1,833 SF]	170.29 SM. [1,833 SF]
BASEMENT	7 No.	86.67 M [933.0 SF]
MAIN		86.67 M [933.0 SF]
UPPER	8	83.61 M [900 SF]
GFA EXCLUSION (MECH. ROOM)	0	0
PROPOSED NO. OF UNITS	2 (ONE SFD + SECONDARY SUITE)	2
100		
DEVELOPMENT PROPOSAL DESIGNA	ATION & BY-LAW TABLE	PROPOSED
OCP DESIGNATION	Level 1	Level-1
ZONE	SFD-RS1	SFD-RS2
HEIGHT	10.1 M [33.1']	8.87 M [29.10']
TOP PLATE	8.0 M [26.2']	8.0 M [25.78']
SETBACKS:		
FRONT (NORTH)	4.57 M (15.0')	4.57 M (15.0')
SIDE (WEST)	1.22 M [4']	1.22 M [4 FT]
WEST (EAST)	1.22 M [4']	1.22 M [4 FT]
REAR (SOUTH)	13.40 M [43.98']	18.19 M [59.70']
PARKING SPACE	2	2
BICYCLE SPACE	2	2
SECONDARY SUITE	[40%] 68.11 SM, [733,2 SF]	[39%] 66.90 SM. [720.0 SF]





OCP MAP, CITY OF NORTH VANCOUVER OCP MAP.



BIRD'S EYE VIEW VIEWING NORTH

SITE CONTEXT & AMENITIES

The site measures 15.24 m. x 44.68 m. [50 ft X 146.6 ft.], located on south of 400 block of 15th Street, bounded with single family housing to the north, south, east, and west.

The property is in the Central Lonsdale and Grand Boulevard neighbourhood. The site is situated on the rapid transit corridor, walking distance to Ridgeway elementary schools, Sutherland High school, daycare, parks, shopping area and close to Trans Canada HWY.

TOPOGRAPHY

The site slopes 2.5%, (1.2 m. [4.0 feet]) from northwest to southwest over its depth and 2% [0.3 m.1.0 foot]) from east to west along 15th Street.



433 EAST 15TH ST. EASTERN NEIGHBOUR



429 EAST 15TH ST.- SUBJECT PROPERTY



425 EAST 15TH ST.- WESTERN NEIGHBOUR



EAST 15TH ST. STREET CONDITION - VIEWING EAST



EAST 15TH ST. STREET CONDITION - VIEWING WEST



LANE CONDITION - VIEWING EAST



LANE CONDITION - VIEWING WEST

Vernacular



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PO IECT:

429 EAST 15th STREET, NORTH VANCOUVER

DRAWING TITLE:

SITE CONTEXT

ATE:

DRAWING NO.

DEC. 20 , 2024

R.01

PROJECT RATIONALE

SUBJECT SITE AND NEIGHBOURHOOD

The site measures 15.24 m x 44.69 m (50.0' x 146.63') and is on the 400 block of East 15th Street, which is bounded between Ridgeway Ave. and Moody Ave. It is surrounded by single-family residences on all sides—north, east, south, and west. The property is within walking distance of schools, daycares, and parks, and is located on the "Frequent Transit Corridor", and minutes from the Trans-Canada Highway.

TOPOGRAPHY

The site has a slope of 2.5% (1.2 m / 4 feet) from north to south across its depth and 2% (0.3 m / 1.0 foot) from east to west.

LAND USE

The land use designation in the 2014 Official Community Plan (OCP) is Residential Level 1, Single-Family. We plan to maintain the existing OCP designation while applying for a rezoning and subdivision of 429 East 15th Street, transitioning from a Single-Family lot (RS1) to a Single-Family lot (RS2). This change will facilitate the construction of two Single-Family houses, each with an accessory secondary suite.

PROPOSED INTEN

We believe that addressing housing challenges can be achieved through small lot subdivisions, offering flexible and relatively affordable housing solutions for young families, professionals, downsizers, and empty-nesters who wish to remain in their community. In the next phase of the rezoning and subdivision permitting process, our application will align with all regional requirements and the sustainability goals of the City of North Vancouver.

AFFORDABILITY

As land prices rise, both the developing community and the City of North Vancouver face significant pressure to enhance housing affordability. This proposal aims to subdivide a 50-foot-wide lot into two smaller lots to build two new single-family houses, each featuring a Secondary Suite. These Secondary Suites are intended to provide two ground-oriented rental units in the area, serving as a "mortgage helper" for the homeowners.

SITING OF THE HOUSES

In response to the site conditions, current market trends, and client preferences, we propose constructing two modern-style houses that are harmonious in design, massing, and architectural materials. On both proposed lots of A & B, there are no major "By-law" trees. However, in the western neighbour, there is a large Cypress (See the Arborist Report) We intend to preserve three of these trees while proposing the removal of one located in the which we intend to protect.

ARCHITECTURAL DESIGN

The proposed houses will feature a modern architectural style with single-sloped roofs. The material palette will include a mix of fiber cement boards and vertical composite fiber cement (refer to the material palette).

Key design features include:

- Two identical modern homes tailored to site conditions.
- Three bedrooms and a Secondary Suite in each house.
- Enhanced outdoor living spaces in rear yards and south-facing patios for each basement suite.
- Flexible floor plans to accommodate the needs of growing families.

MATERIALITY

For wall cladding, both houses will utilize fiber cement siding, fiber cement boards, and natural cedar strips as accents for front entrances. Painted fiber cement boards will be used for soffits and fascias (color palettes are presented on pages A-07 of this package).

AFFORDABILITY

To enhance affordability, our approach focuses on constructing smaller homes and gently increasing density within the existing residential zoning, particularly in low- and medium-density areas. An increasing number of small single-family houses, duplexes, triplexes, and infill units provide alternative solutions for relative affordability within the current zoning and OCP. Following discussions with the Planning Department and addressing their concerns regarding rezoning, we maintain that this housing form is a viable typology in North Vancouver, offering more affordable options compared to larger single-family homes on standard 50-foot-wide lots. The inclusion of a Secondary Suite further assists homeowners in offsetting their mortgage payments or accommodating extended family.

SUSTAINABILIT

This proposal seeks to increase density within the existing RS1 zoning, which currently has low density. The owners aim to construct two new single-family homes with minimal disruption to existing density. Through a gentle densification approach, the proposal will add two relatively affordable rental suites alongside an additional small home within the municipal infrastructure. Our application aims to incorporate the following sustainable components:

- Compliance with Step 4 energy code or the most current CNV requirements.
- Installation of "Energy Star" windows and doors.
- Double or triple-pane windows based on energy requirements.
- "Energy Star" appliances in the new infill unit.
- Pre-wired garages for electric vehicles.
- Dual-flush toilets and low-flow fixtures.
- Use of low VOC-emitting paint and flooring materials.
- Hot water piping meeting minimum insulation standards.
- Installation of heat recovery ventilators.
- Planting of indigenous plant materials with low water requirements.
- Implementation of a stormwater management system (SWM).
- Provision of bicycle storage.

ACTIVE LIFESTYLE

- Provision of bicycle storage.
- Outdoor patios for both the principal house and the secondary suites to facilitate residents' outdoor activities.

LANDSCAPE DESIGN

The landscape design will feature a significant percentage of native and drought-resistant plant species in the front and rear yards.



AERIAL VIEW OF THE SITE



PROPOSED HOUSES

Vernacular



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DJECT:

429 EAST 15th STREET, NORTH VANCOUVER

DRAWING TITLE

PROJECT RATIONALE

DATE:

DRAWING NO

DEC. 20, 2024

R.02



HOUSE A [EAST]

HOUSE B [EAST]

COLOUR PALETTES

HOUSE A EAST-THIN BRICK VENEER / RED



HOUSE A EAST-THIN BRICK VENEER / BEIGE EARTH TONE



HOUSE A - MAIN HOUSE and GARAGE - MED. GREY SOLID PAINT (BM)



HOUSE B- MAIN HOUSE and GARAGE -F/ CEMENT PANEL (Light Grey to Off white -BM)



BOTH HOUSES - WINDOW SASH & STL. COLUMNS - Coated Dark Charcoal



BOTH HOUSES - FASCIA, FLASHING - Dark Charcoal (to match Iron Mountain-B.M.)

BM = BENJAMINE MOORE PAINT

MATERIAL PALETTES

- 1 ROOF: 3 LAYERS APPROVED MEMBRANE
 2 WIND. DOOR TRIMS: 1.5" X1.5" PAINTED TO MATCH WALLS
 3 FASCIA BOARD: 2X8 OR 2X10 PAINTED COMBED CEDAR, DARK CHARCOAL
 4 FLASHING ON FASCIA: PREPAINTED STEEL PROFILE TO MATCH FASCIA COLOUR
- 5 FASCIA + GUTTER: PRE--PAINTED ALUM. DARK CHARCOAL
- 6 WALL ACCENTS: BRICK VENEER
- 7 WALL CLADDING: FIBER CEMENT--WALL SIDING
- 8 WINDOW SASH: VINYL--DARK CHARCOAL
- 9 ENTRY DOORS: PAINTED FULL SANDBLASTED GLASS / FIBERGLASS FRAMED
- 10 SOFFITS: NATURAL CEDAR STAINED

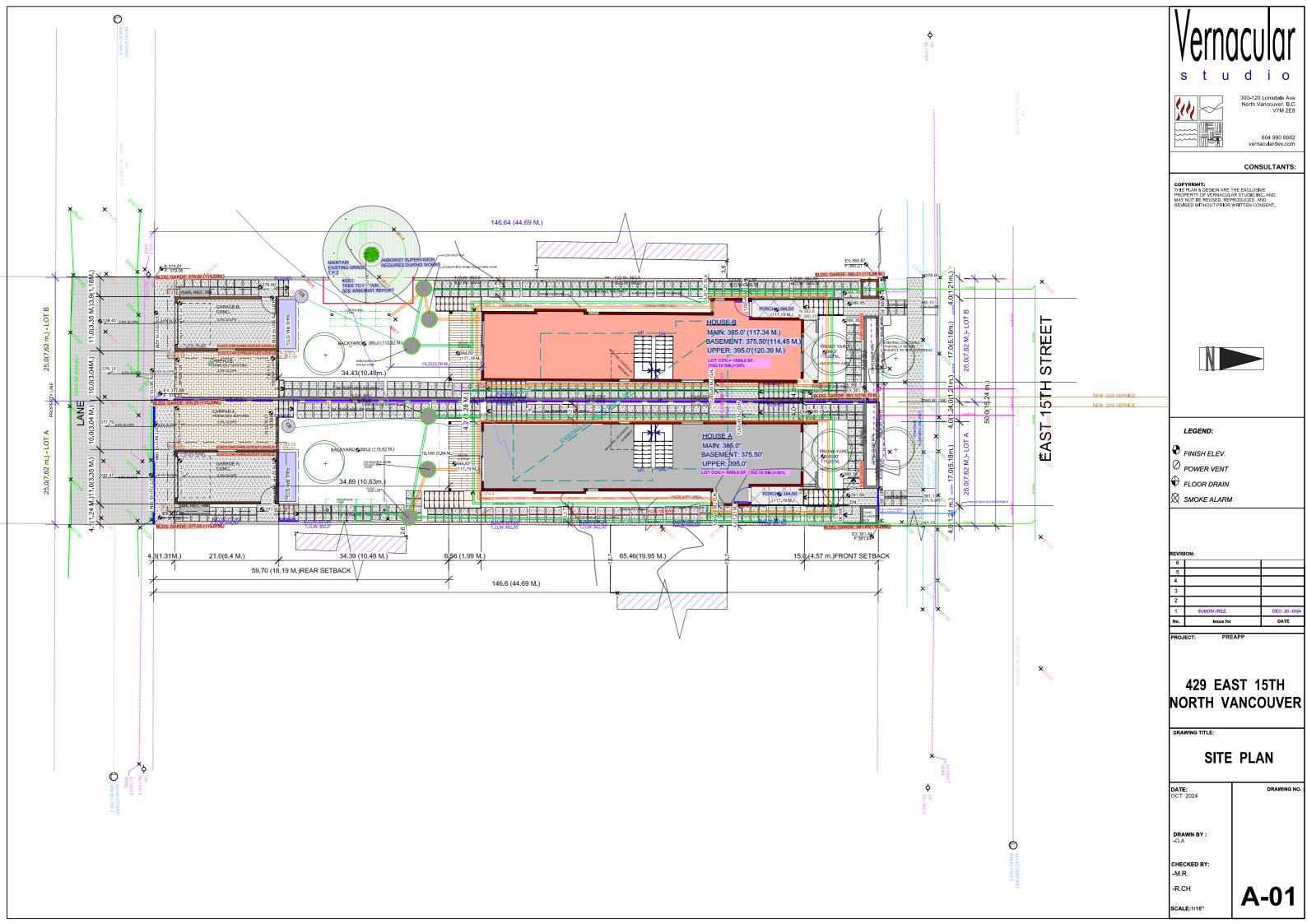
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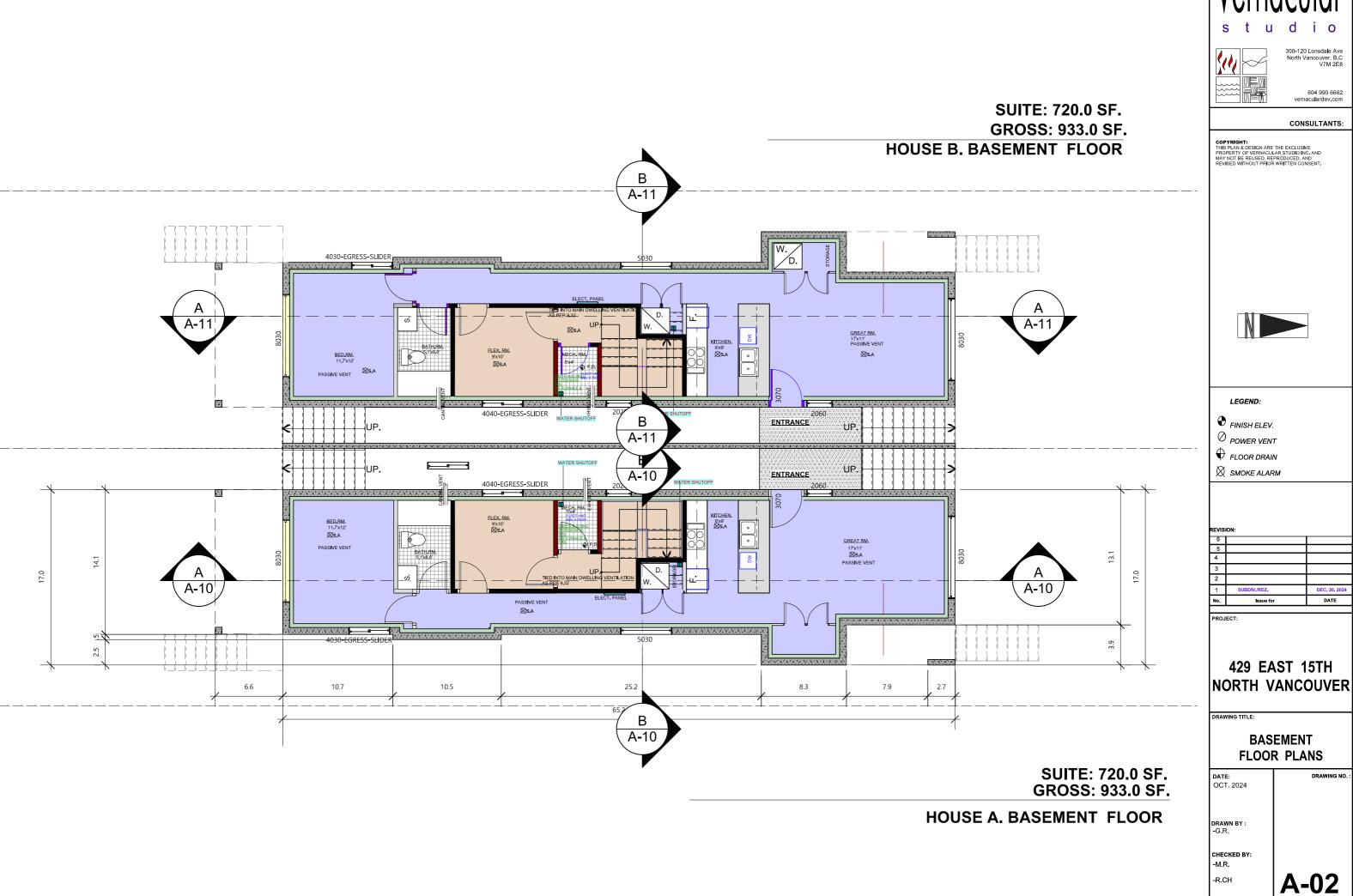
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COLOUR & MATERIAL PALETTES

DEC. 20, 2024

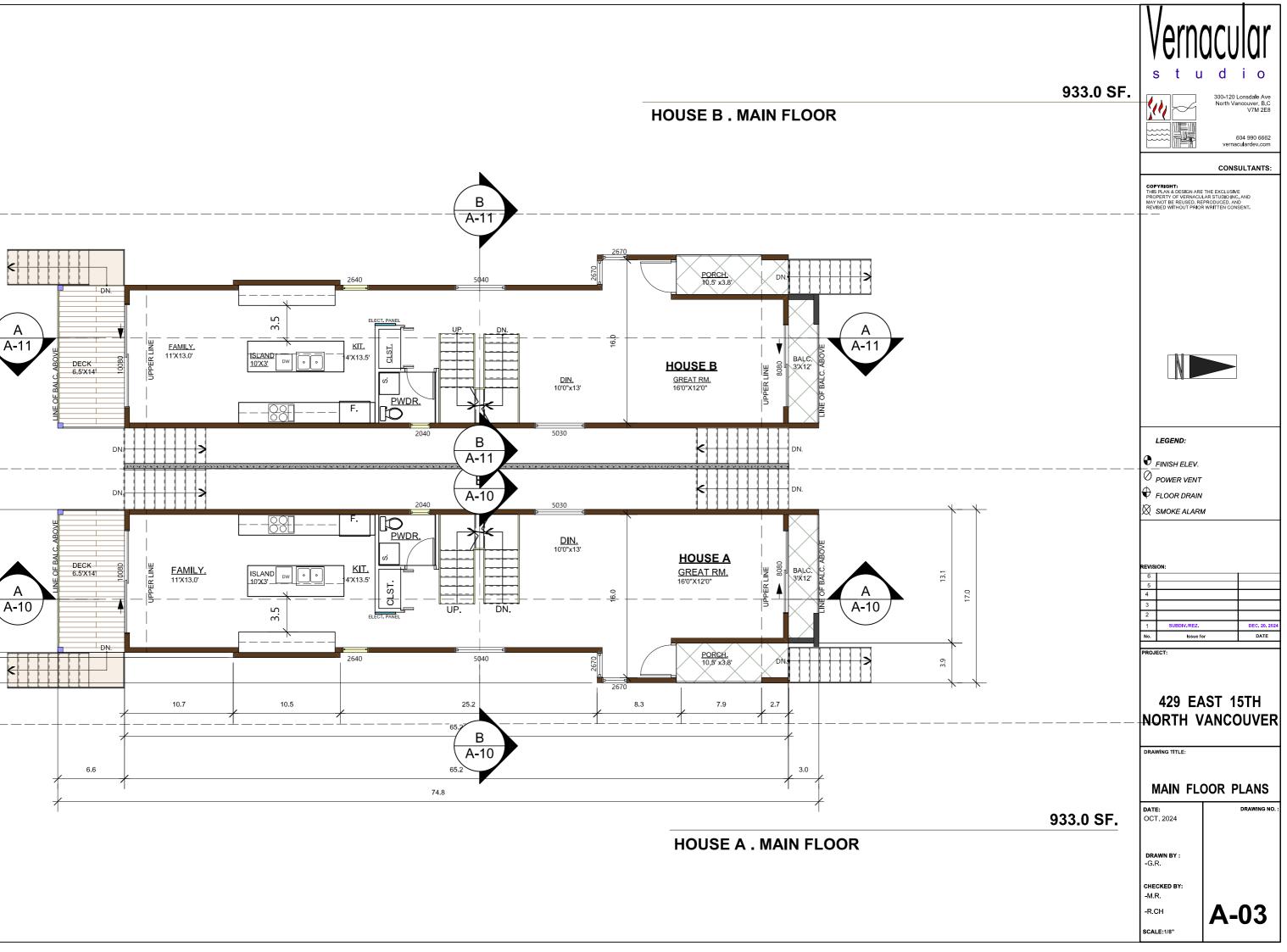
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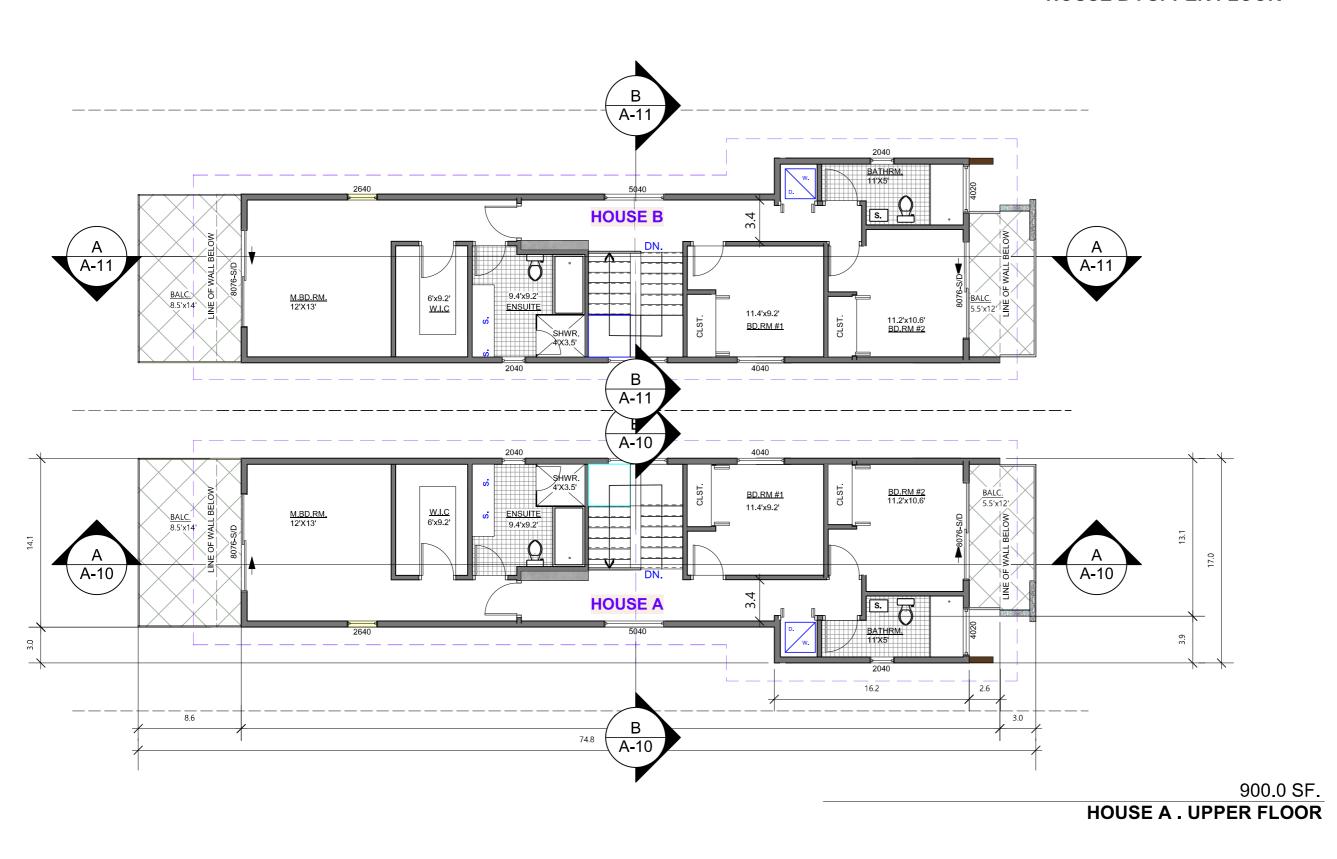




SCALE: 1/8"



900.0 SF. **HOUSE B. UPPER FLOOR**



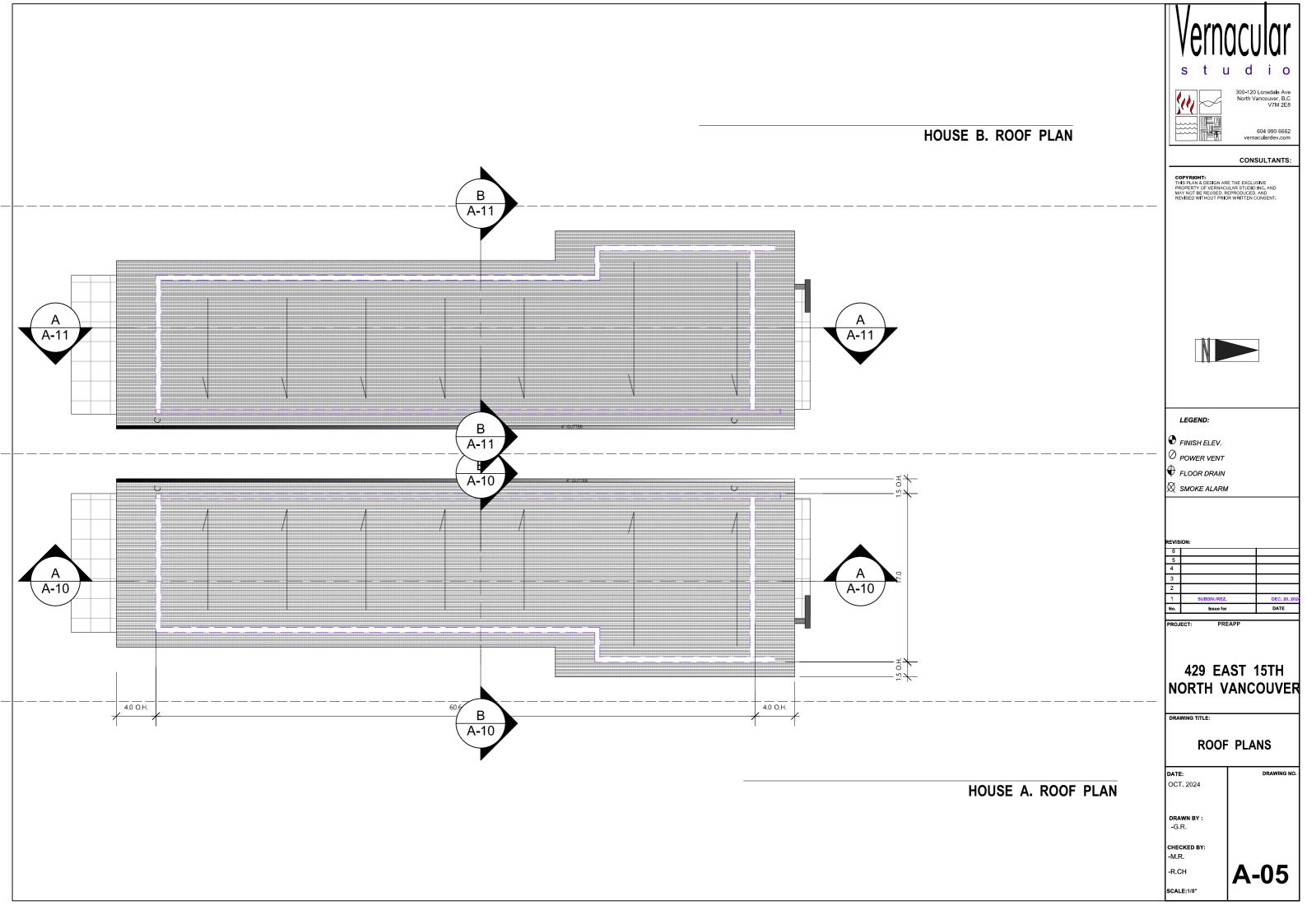
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OCT. 2024

CHECKED BY: -M.R.

A-04 -R.CH

SCALE:1/8"





HOUSE A, FRONT ELEVATION

HOUSE B, FRONT ELEVATION







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429 EAST 15TH NORTH VANCOUVER

NORTH ELEVATIONS HOUSE A& B

DATE: OCT. 2024

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CHECKED BY: -M.R.

A-06

-R.CH SCALE:1/8"

HOUSE A, HEIGHT CALCULATIONS:

FRONT AVERAGE GRADE:381.44+381.1/2=381.27 REAR AVERAGE GRADE :377.06+377.98/2=377.52 REFFERENCE POINT: 381.27+(377.52-381.27 x0.4)

RP.= 379.77' (115.75M.)

TP.= 379.77+26.2=405.97' (123.739M.)

RDG. = 379.77+33**=412.80'** (125.82M.)

HOUSE B, HEIGHT CALCULATIONS:

FRNOT AVERAGE GRADE: 381.1+381.0/2=381.05 REAR AVERAGE GRADE:377.98+378.81/2=378.39 refference point: 381.05+(378.39 -381.05 x0.4)

RP.= 379.98'(115.81M.)

TP.= 379.98+26.2=406.20'(123.80M.)

RDG. = 379.98+33= 412.98'(125.87M.)



HOUSE A, REAR ELEVATION

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SOUTH ELEVATIONS HOUSE A& B

DATE: OCT. 2024

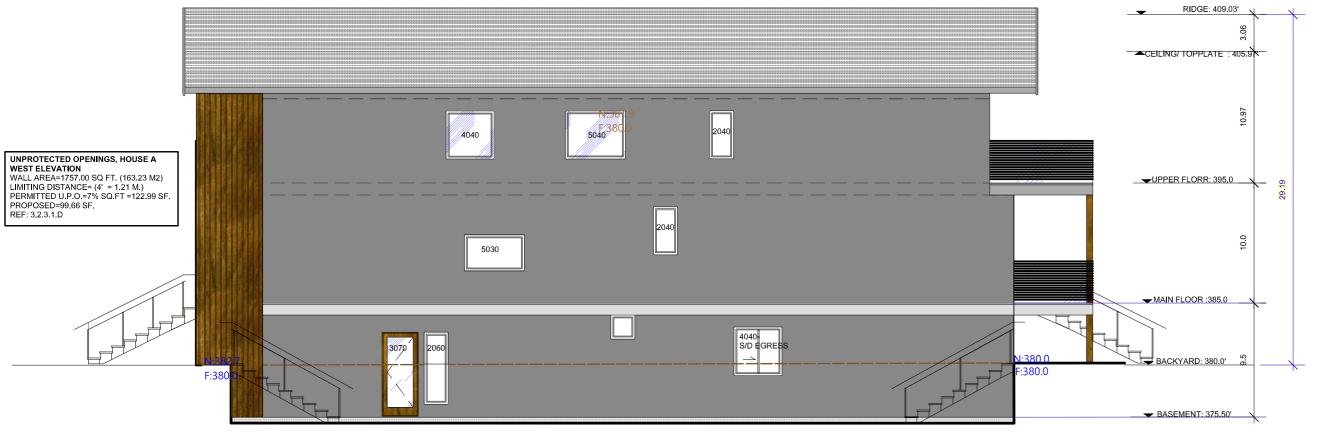
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-G.R. CHECKED BY:

-M.R. -R.CH

A-07





Vernacular

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300-120 Lonsdale Ave North Vancouver, B.C V7M 2E8

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PROJECT:

429 EAST 15TH NORTH VANCOUVER

DRAWING TITLE

HOUSE A, EAST & WEST ELEVATIONS

DATE: COCT. 2024

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-G.R.

CHECKED BY:
-M.R.
-R.CH

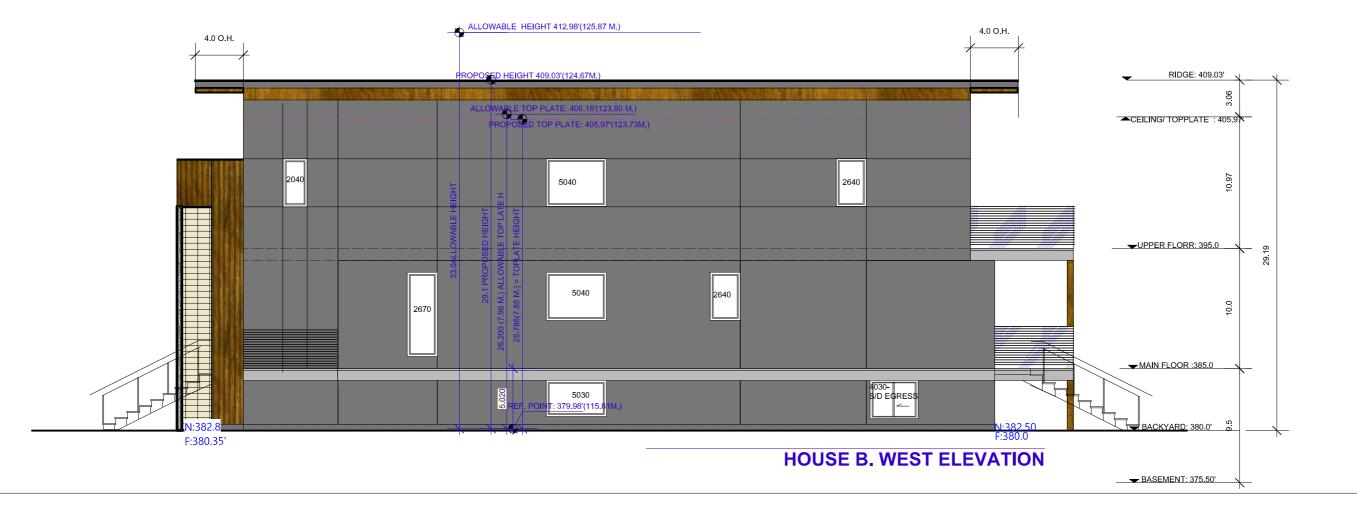
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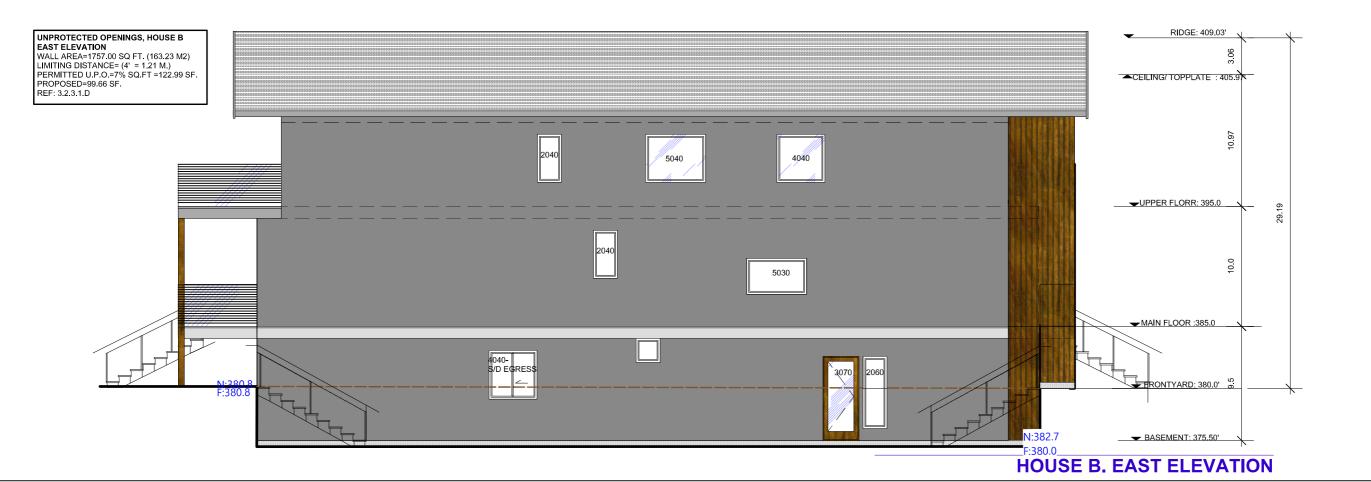
A-08

HOUSE A. WEST ELEVATION

UNPROTECTED OPENINGS, HOUSE B

WEST ELEVATION
WALL AREA=1638.00 SQ FT. (152.0 M2)
LIMITING DISTANCE= (4" = 1.21 M.)
PERMITTED U.P.O.=7" SQ.FT =114.66 SF.
PROPOSED=89.0 SF.
REF: 3.2.3.1.D







300-120 Lonsdale Ave North Vancouver, B.C V7M 2E8

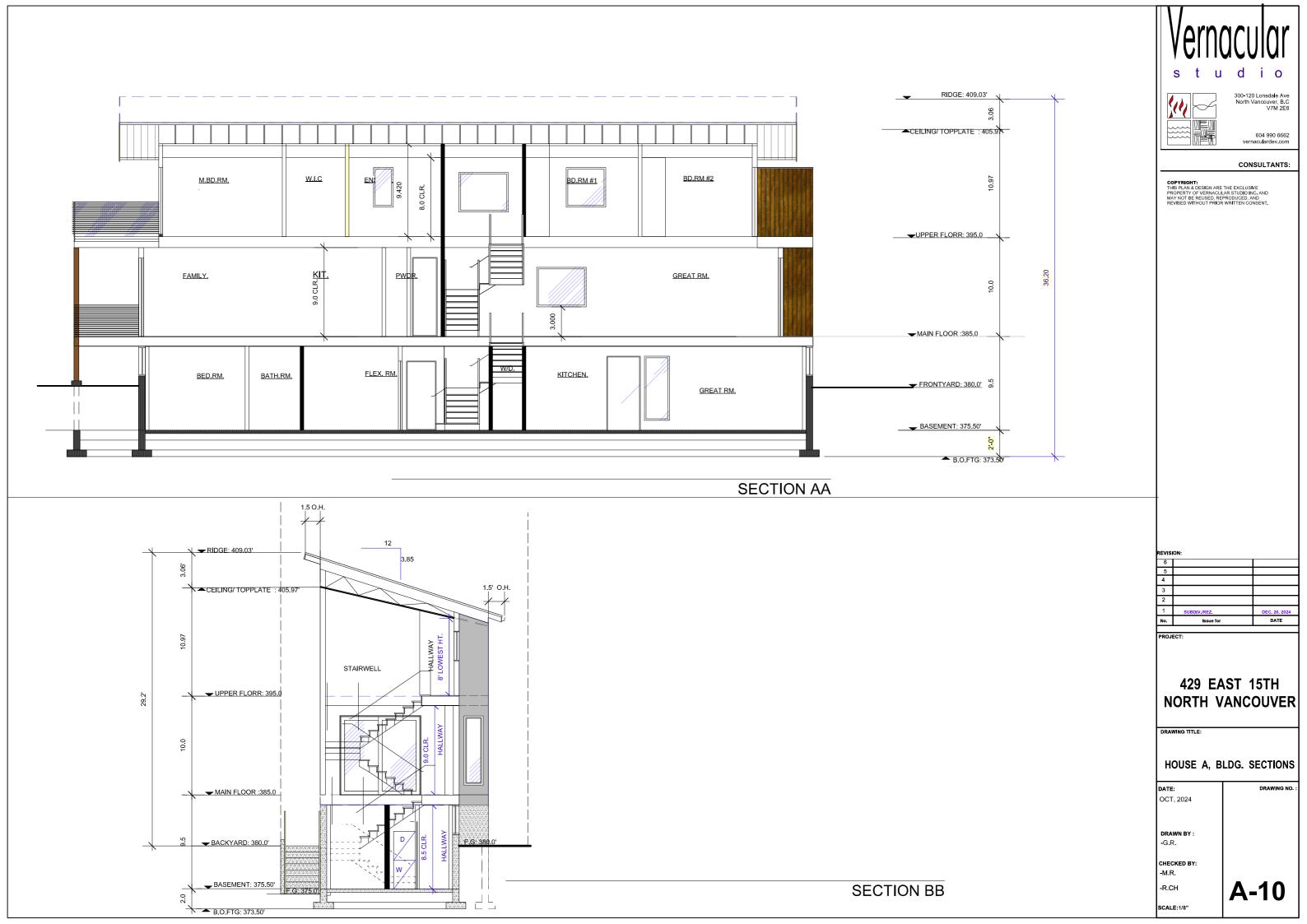
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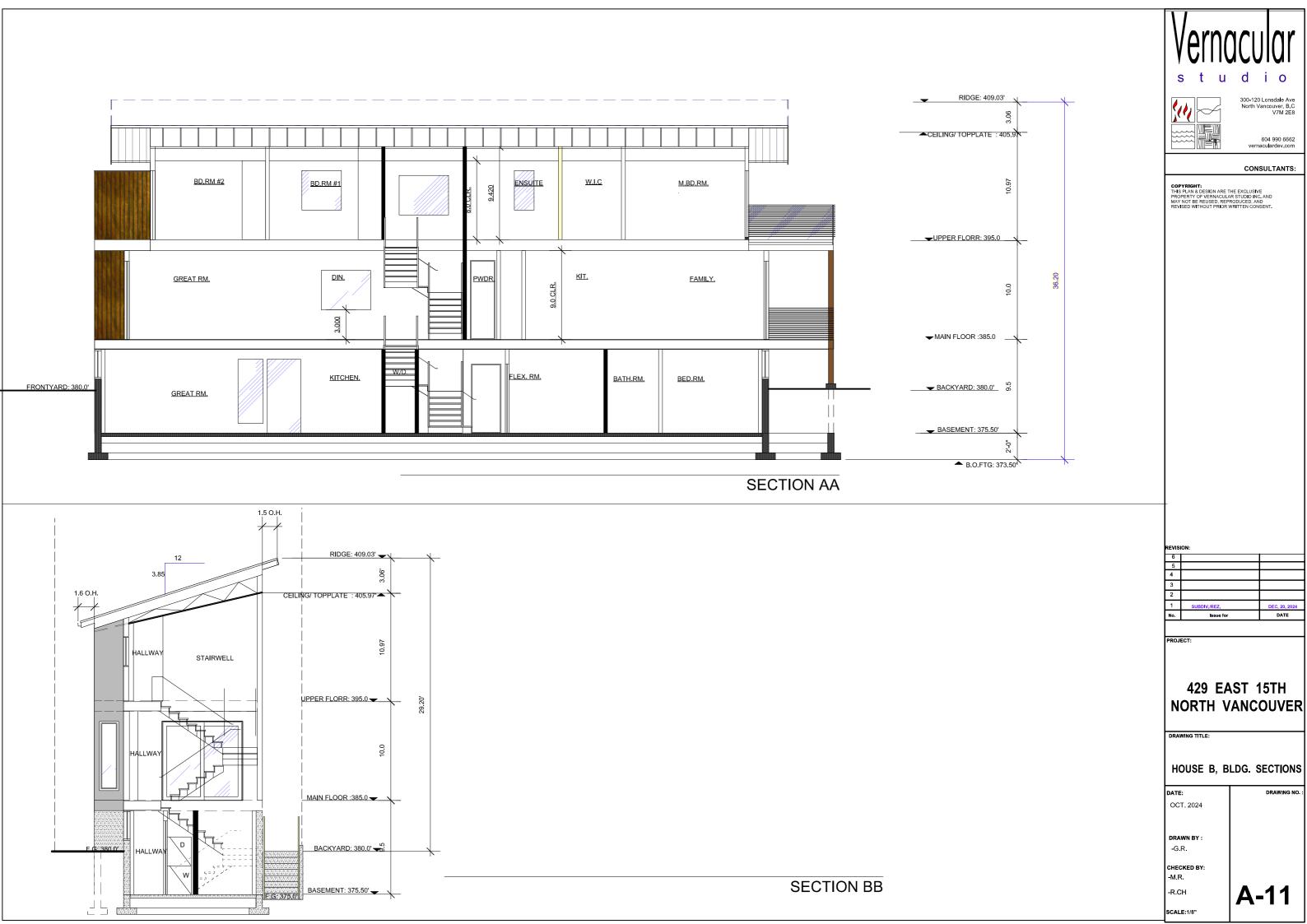
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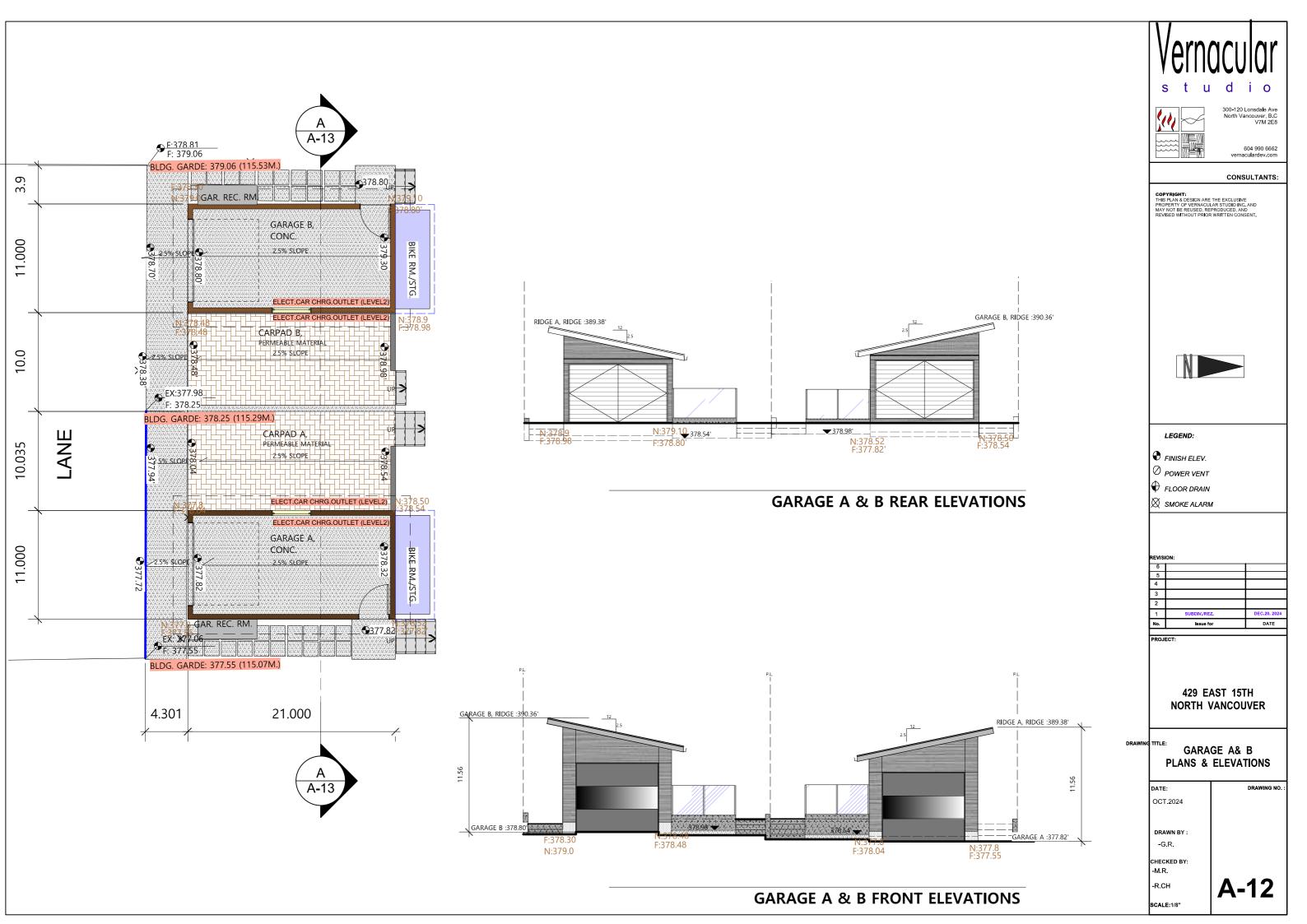
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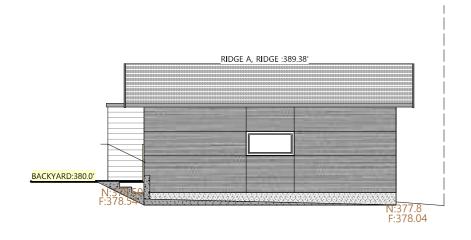
HOUSE B, EAST & WEST ELEVATIONS

DATE: OCT. 2024 DRAWN BY: -G.R. CHECKED BY: -M.R. **A-09** -R.CH

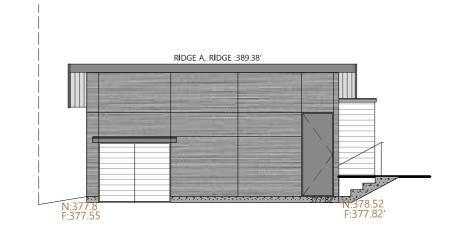




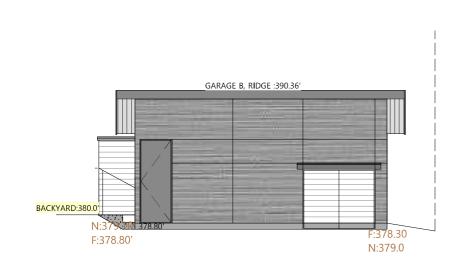




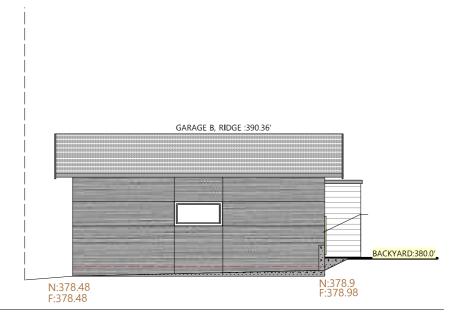
GARAGE A WEST ELEVATION



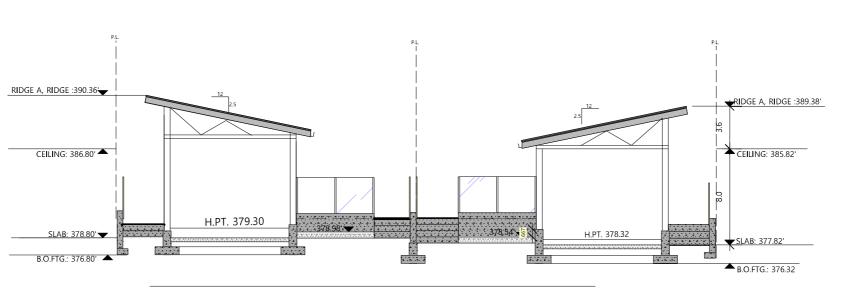
GARAGE A EAST ELEVATION







GARAGE B EAST ELEVATION



GARAGE A&B SECTIONS



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GARAGE A& B **ELEVATIONS & SECTIONS**

DATE: OCT.2024

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-R.CH

A-13

SCALE:1/8"







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STREET ELEVATION

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A-14

SCALE:1/8"

STREET ELEVATION