

Date: 18/3/19

Time: 3:26:22 PM

General Notes

Dimensions provided shall take preference over scale. Contractor to verify all dimensions of Building Designer and Consultants drawings prior to work commencement.

All references to the "British Columbia Building Code" (B.C.B.C.) are for its most current edition or published revision thereto, as approved by ministerial order by the Province of British Columbia.

Surveyor and/or Contractor to confirm all aspects of siting and placement of structure on lot. Designer not responsible for placement. In the event that the proposed new or existing structure does not conform to the requirements of the B.C. Building Code an engineer(s) may be necessary and such services are for the owner's account.

All materials to be of best quality, complying with the applicable sections of the current C.S.A., C.G.S.B. and B.C.B.C. standards. All materials shall be used strictly according to manufacturers printed directions, where not inconsistent with this specification; no dilution permitted except where specified.

Demolition

Contractor is liable to maintain the strength and stability of existing structure where renovations and/or additions are proposed. Including but not limited to providing and installing all shoring and props to uphold existing construction. All demolition work must comply with the requirements presented in part 8 of the B.C.B.C. and with WORKSAFEBC.

Structural Design

Structural is based on criteria stated in Part 9 of the BCBC B.C. Building Code. Design live loads as follows:

Table with 3 columns: Design load type (e.g., Design main floor load), and two columns for load values (e.g., 41.8 p.s.f., 2.00 kPa).

For heavier snow loading, drawings must be revised. All interior and exterior wall bracing to resist lateral loads to comply with B.C.B.C. 9.23.13, and to be designed by structural engineer unless noted elsewhere.

Concrete

All concrete used for footings and foundations is to be not less than 15 MPa @ 28 days unless otherwise noted. All concrete used for floors is to be not less than 20 MPa @ 28 days unless otherwise noted.

Rough Carpentry

All construction and materials to comply with the "approved" current issue and amendments of C.W.C. and B.C.B.C. Pre-Manufactured homes and walls to comply with B.C.B.C. and C.S.A. requirements.

Electrical Panel

Electrical Facilities to comply with B.C.B.C. 9.34 and 9.36. All electrical facilities, panels, lighting and any fixed equipment shall comply with the Canadian Electrical Code, BCBC 9.34 and 9.36, and shall be installed by a certified electrician.

Fire Safety

All concealed spaces to be fireblocked in compliance with B.C.B.C. 9.10.16. Fire block materials to comply with B.C.B.C. 9.10.16.3.

Crawl spaces

Crawl spaces to comply with 9.18. Heated crawl space ventilation to comply with B.C.B.C. 9.32.3.7. Contractor to ensure heated crawl space is vented into primary living space above by two (2) grille of the size noted in Mechanical subsection.

Doors, Windows, And Skylights

All windows, doors, and skylights to meet the requirements laid forth in B.C.B.C. 9.7. and 9.36.

All manufactured windows, doors and skylights to comply B.C.B.C. 9.4.7.1.(1)(a) and with AAMA/WDMA/CSA 101/1.5.2/A440,"NAFS-North American Fenestration Standard/Specification for Windows, Doors, and Skylights", & A440S1-09 "Canadian Supplement to...NAFS..."

The following window requirements are derived from B.C.B.C. Table C-5 as per B.C.B.C. 9.7.4.3. and are to be used to satisfy the requirements of "NAFS": Langford, CLASS R, DP 960, PG 20, WATER RESIST. 220, A2.

Minimum Thermal Resistance ratings of windows as per B.C.B.C. 9.36.

Table with 3 columns: Windows and Doors, and two columns for U-value and USI (e.g., U 0.32 - 1.80 USI).

Site built doors and windows to comply with B.C.B.C. 5.10.2. and 9.36.2.7.(3) Flashing to be above all doors and windows not directly protected by eaves. Limited Water doors are to be used for exterior garage utility doors and the door(s) separating the residence and the garage, and wherever allowed by B.C.B.C. 9.7.4.2.(2)

Insulation and Vapour Barrier

Insulation to be continuous around all openings. Effective R.S.I values are calculated using the Parallel Path Method, with all parts of the assembly taken into account. Any deviation from listed assemblies must be reported to the Building Designer for R.S.I. value recalculation.

Insulation Values are based of those in B.C.B.C. 9.36 for Zone 4 (<3000 Heating Degree Days in Celsius Degree-Days):

Table with 3 columns: Trusses or Rafter with Ceiling Joists Roofs, Floors over unheated/external spaces, Floors over Garages, Cathedral Vaults or Flat roofs, Exterior Walls above grade, Between Garage and Primary Residence, Foundation Walls below grade or < 600mm above grade, Heated Concrete Slabs (beneath entire slab), Concrete Floor Slabs < 600mm below grade, Concrete Floor Slabs > 600mm below grade.

All "rigid insulation" to be extruded polystyrene insulation. If contractor/builder uses expanded polystyrene insulation they must use equivalent RSI values as shown in the insulation table on this page and it is to ensure correct RSI values are used.

Vapour Barriers to comply with B.C.B.C. 9.25.4. Tape all seams of extruded polystyrene insulation, fill with spray applied insulation at perimeters to prevent air spaces where required. Extruded Polystyrene to comply with the requirements of B.C.B.C. 9.25.4.2.(4) to fulfill the requirements of a vapour barrier.

Mechanical

Plumbing installation shall comply with B.C.B.C. Part 7, B.C.B.C. 9.31, 9.36.4, and the "Canadian Electrical Code". Plumbing contractor is to allow for (min.) 2 exterior hose bibs at convenient locations.

Hot Water Heater (Primary Residence): (Tankless Type-Gas) See B.C.B.C. Table 9.36.4.2 Input < 73.2 kW, Performance Standard(s): CAN/CSA-P-7 Performance Requirement(s): EF ≥ 0.8

Hot Water Heater (Secondary Suite): (Storage Type-Electric) See B.C.B.C. Table 9.36.4.2 Size:152L (40 imp. gal.), Input 240VAC, ≤12kW, Performance Standard(s): CAN/CSA-C191 Performance Requirement(s): Standby loss (max.): 55 (Top Inlet), 70 (Bottom Inlet)

Heating and/or air conditioning systems are to comply with B.C.B.C. 9.32.3. and 9.36.3. All duct sizes, fans and ventilation requirements to be verified prior to installation and to install to manufacturers specs. Heat pump (Air Cooled) and gas-fired ducted furnace combination system to be installed in primary residence.

Heat pump (all systems): See B.C.B.C. Table 9.36.3.10. Heating or Cooling Capacity: > 19 kW Standard: CAN/CSA-C744 Performance Requirements: SEER = 14.5, EER = 11.5 HSPF = 7.1 (region 5 in standard)

Gas-fired ducted furnace: See B.C.B.C. 9.36.3.10. Heating or Cooling Capacity: ≤ 117.23 kW Standard: ANSI Z83.8/CSA- 2.6 Performance Requirements: Et ≥ 81%

All Fans and ducts are to meet the minimum requirements of the B.C.B.C. and manufacture. Fan and duct sizes provided are minimums as per the BCBC 9.32. For the spaces. Mechanical tradesperson to verify actual sizes, speeds and location of fans and ducts on site.

Kitchen fan: See B.C.B.C. Table 9.32.3.6., Table 9.32.3.8.(3), 47 Litres per second intermittent @ 50pa external static pressure Duct size (Diameter): 125mm rigid, 150mm flexible.

Fan 1 (Bathroom Fan) See B.C.B.C. Table 9.32.3.6., Table 9.32.3.8.(3), 23 Litre per second intermittent or 9 Litre per second continuous @ 50pa External static pressure. Duct size (Diameter): 100mm rigid, 125mm flexible.

Fan 2 (Principal Exhaust Fan) See B.C.B.C. Table 9.32.3.5. Table 9.32.3.8.(3), Main Residence: 28 Litre per second continuous @ 50pa External static pressure Size (Diameter):125mm rigid, 100mm flexible.

Fan 3 (Secondary Suite HRV Exhaust Fan) See B.C.B.C. Table 9.32.3.5. 14 Litres per second continuous @ 50pa External static pressure supply and exhaust air. A licensed mechanical tradesperson(s) to size and install ducts for HRV.

Vent 1: 96 cm² clear unobstructed area CrawlSpace Air Transfer Grilles Secondary Suites Secondary suite to comply with B.C.B.C. 9.37.

Secondary suite to be heated by independent electric baseboard heating system. Secondary suite to have a separate Heat Recovery Ventilator (HRV) to be installed to provide ventilation to all floors. Fire separation between primary dwelling and secondary suite to have a 1 hour F.R.R. unless noted elsewhere.

Vent 1: 96 cm² clear unobstructed area CrawlSpace Air Transfer Grilles Secondary Suites Secondary suite to be heated by independent electric baseboard heating system. Secondary suite to have a separate Heat Recovery Ventilator (HRV) to be installed to provide ventilation to all floors.

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Thermal Resistance of Wall, Ceiling, and Floor Assemblies.

All Thermal resistance calculations where done using the parallel path method as described in B.C.B.C A-9.36.2.4.(1)

RSI_parallel = (% area of framing / RSI_f) + (% area of cavity / RSI_c)

Common Building Materials

The following is a list of building materials called for in the plans. The RSI Values shown are based of those provided in B.C.B.C. Table A-9.36.2.4.(1)D and have either been pre-calculated using the listed thickness shown or by the per mm rate multiplied by the thickness.

Table with 2 columns: Siding (Concrete Fibre Siding, Wood Shingle Siding, Metal or vinyl Siding, etc.) and Sheathing (Plywood, Gypsum Sheathing, etc.) with corresponding RSI values.

Structural Framing Members

Table with 2 columns: 38mm Spruce-Pine-Fir Studs or Joists (on flat), 38mmx89mm (2x4) Spruce-Pine-Fir Studs or Joists, 38mmx140mm (2x6) Spruce-Pine-Fir Studs or Joists, etc.

Air Films and Air Cavities

Table with 2 columns: Exterior Air Film (ceiling, floors and walls), Interior Air Film (Ceiling), Interior Air Film (Floor), etc.

Interior Wall and Ceiling Finishes

Table with 2 columns: 12.7mm (1/2") Gypsum Board (X-Type or Regular), 15.9mm (5/8") Gypsum Board (X-Type or Regular), etc.

Miscellaneous materials

Table with 2 columns: Permeable (#15 Roofing) Felt, 12.7mm (1/2") Lime Based Mortar, etc.

Assembly Calculations for Effective RSI Values.

Raised Heel Wood Trusses @ 610mm with 368mm (14 1/2") Fibre Glass Loose Fill Insulation. Includes RSI_parallel calculation and table of materials (279mm (11") Fibre Glass Loose Fill Insulation, 38mmx89mm (2x4) Bottom Truss Chord, etc.)

Raised Heel Wood Trusses @ 610mm (24") with R40 Batt Insulation. Includes RSI_parallel calculation and table of materials (R28 Fibre Glass Batt Insulation, 38mmx89mm (2x4) Bottom Truss Chord, etc.)

Floor Cantilever, 38mmx235mm (2x10) Floor Joists @ 406mm (16") with R31 Fibre Glass Batt Insulation. Includes RSI_parallel calculation and table of materials (Interior Air Film (Floor), 15.2mm (5/8") Plywood, etc.)

Assembly Calculations for Effective RSI Values.

Exterior 38mmx140mm (2x6) Stud Wall @ 406mm (16") with R19 Fibre Glass Batt Insulation, and Clad with Concrete Fibre Siding

RSI_parallel = (% area of framing / RSI_f) + (% area of cavity / RSI_c) calculation for exterior wall assembly.

Table of materials for exterior wall assembly: Exterior Air Film (ceiling, floors and walls), Concrete Fibre Siding, 9.5mm (3/8") Wall (Rainscreen) Air Cavity, etc.

Exterior 38mmx140mm 2x6 Stud Wall @ 406mm (16") with R19 Fibre Glass Batt Insulation, and Clad with 51mm Thick (2") Pre-Manufactured Stone Veneer

RSI_parallel = (% area of framing / RSI_f) + (% area of cavity / RSI_c) calculation for exterior wall assembly with stone veneer.

Table of materials for exterior wall assembly with stone veneer: Exterior Air Film (ceiling, floors and walls), 51mm (2") Thick Pre-Manufactured Stone Veneer, 12.7mm (1/2") Lime Based Mortar, etc.

Wall between Garage and Primary Residence, 38mmx140mm (2x6) Stud Wall @ 406mm (16") with R19 Fibre Glass Batt Insulation

RSI_parallel = (% area of framing / RSI_f) + (% area of cavity / RSI_c) calculation for wall between garage and primary residence.

Table of materials for wall between garage and primary residence: Exterior Air Film (ceiling, floors and walls), 15.9mm (5/8") Gypsum Board (X-Type or Regular), etc.

Floor between Secondary Suite and Garage, 38mmx235mm (2x10) @ 406mm (16") with R31 Fibre Glass Batt Insulation

RSI_parallel = (% area of framing / RSI_f) + (% area of cavity / RSI_c) calculation for floor between secondary suite and garage.

Table of materials for floor between secondary suite and garage: Interior Air Film (Floor), 15.2mm (5/8") Plywood (Generic Softwood) Sheathing, etc.

PROFESSIONAL SEALS

CONSULTANTS

LIST OF DRAWINGS

Table with 3 columns: Drawing ID (A1, A2, A3, etc.), Description (General Notes, Siteplan, Elevations, etc.), and Date/Status (03/18/19, For B.P. Submission).

ISSUED/REVISED

Table with 3 columns: No., DATE, ISSUED/REVISED (01, 02, 03, 04, 05, 06, 07, 08).

General Contractor and or Owner to verify and thoroughly review all aspects of plan prior to commencement and setting out of all work. Any discrepancies are to be reported to building Designer immediately.

Truss Manufacturer to review plans to verify roof design where eng. roof trusses are shown, and to contact building designer to advise if revisions are necessary.

Note: Where final construction differs from approved working drawings following an on-site alterations or modification executed by the contractor or owner, as-built revisions to plans for municipal submission shall be for the account of the contractor or owner.

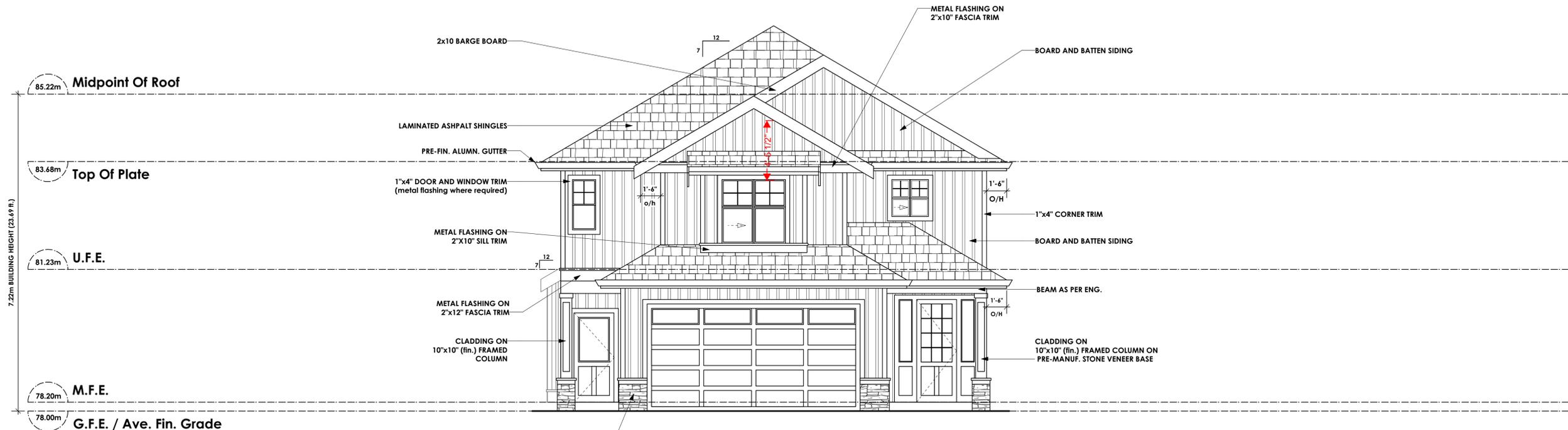
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Project information block including: DRWG NO. 7580-35, SHEET NO. A1 OF A9, DATE Mar. 18, 2019, SCALE As Shown, DRAWN N.S., REVIEWED BY J.T.E., and company logo for VICTORIA DESIGN GROUP.

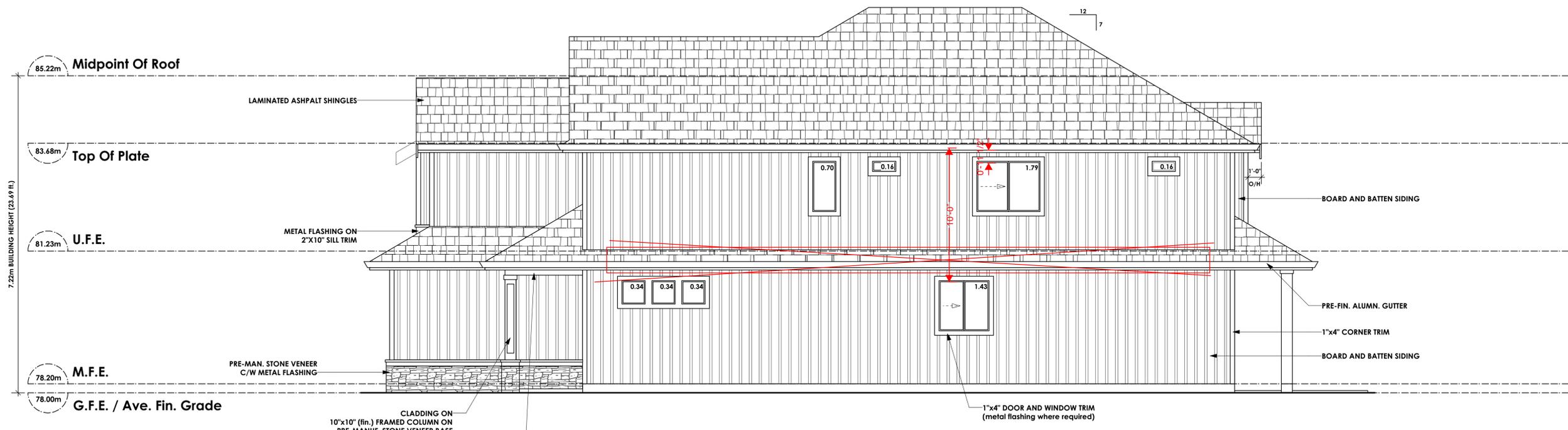
PROJECT Proposed Residence: Langdon Weir Construction Ltd. Lot 35 Latoria Rise 3511 Paperbark Cres. Langford, B.C.

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1
A3 **Front Elevation**
Scale: 1/4" = 1'-0"



2
A3 **Right Side Elevation**
Scale: 1/4" = 1'-0"

Limiting Distance	1.50	m.
Exposed Building Face	84.88	sq.m.
Allowable Openings	8	%
Allowable Opening Area	6.79	sq.m.
Proposed Openings	5.26	sq.m.

PROFESSIONAL SEALS

CONSULTANTS

LIST OF DRAWINGS

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A3	Elevations Front & Right
A4	Elevations Left & Rear
A5	Foundation Plan
A6	Crawlspace Plan
A7	Main Floor Plan
A8	Upper Floor Plan
A9	Section
D1	Rainscreen Details
D2	Rainscreen Details

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04		
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Structural Engineer to review plan (where required), and specify structure as deemed necessary. It is the responsibility of the owner or contractor to verify and commission all engineering requirements with municipal building departments prior to starting work.

Truss Manufacturer to review plans to verify roof design where eng. roof trusses are shown, and to contact building designer to advise if revisions are necessary.

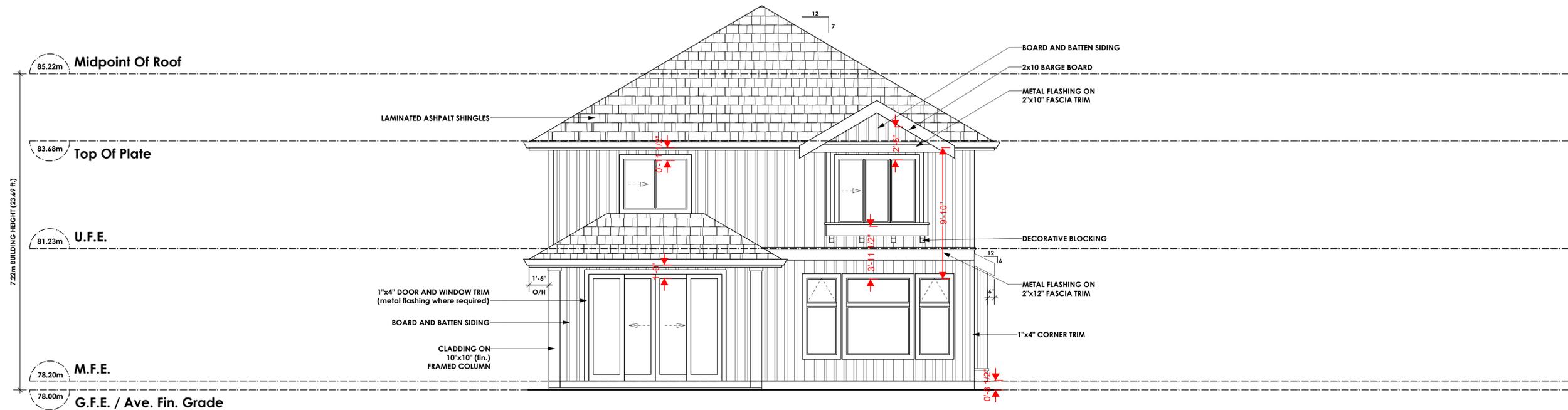
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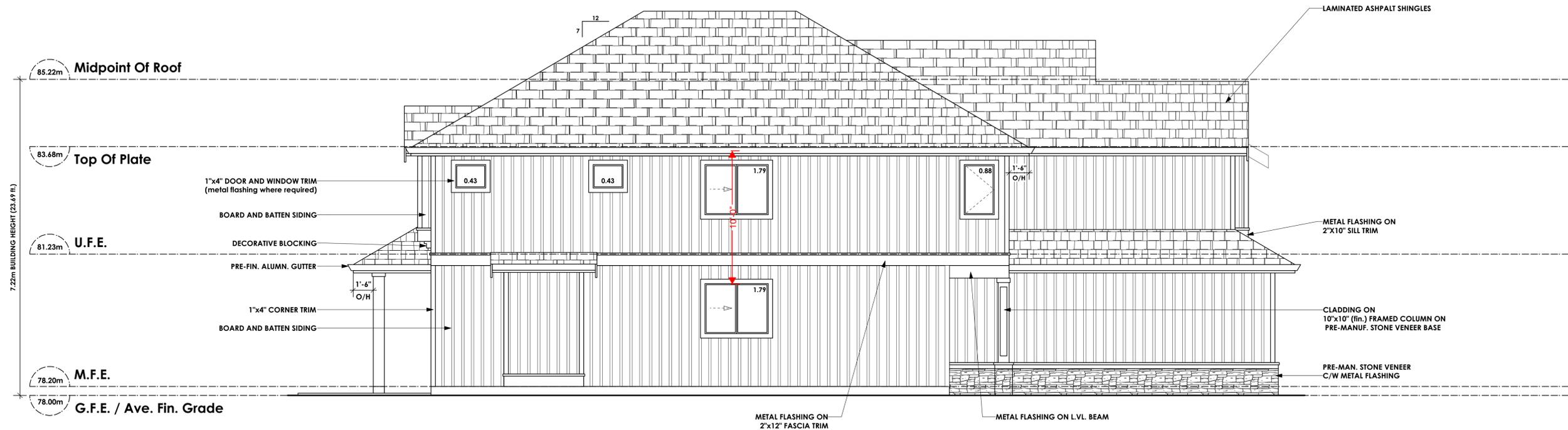
VICTORIA DESIGN GROUP
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DRWG NO. **7580-35**
 SHEET NO. **A3 OF A9**
 DATE **Mar. 18, 2019**
 SCALE **As Shown**
 DRAWN **N.S.**
 REVIEWED BY **J.T.E.**

PROJECT **Proposed Residence:
Langdon Weir
Construction Ltd.
Lot 35 Latoria Rise
3511 Paperbark Cres.
Langford, B.C.**



1 Rear Elevation
A4 Scale: 1/4" = 1'-0"



2 Left Side Elevation
A4 Scale: 1/4" = 1'-0"

Limiting Distance	1.77	m.
Exposed Building Face	70.93	sq.m.
Allowable Openings	8	%
Allowable Opening Area	5.67	sq.m.
Proposed Openings	5.32	sq.m.

PROFESSIONAL SEALS

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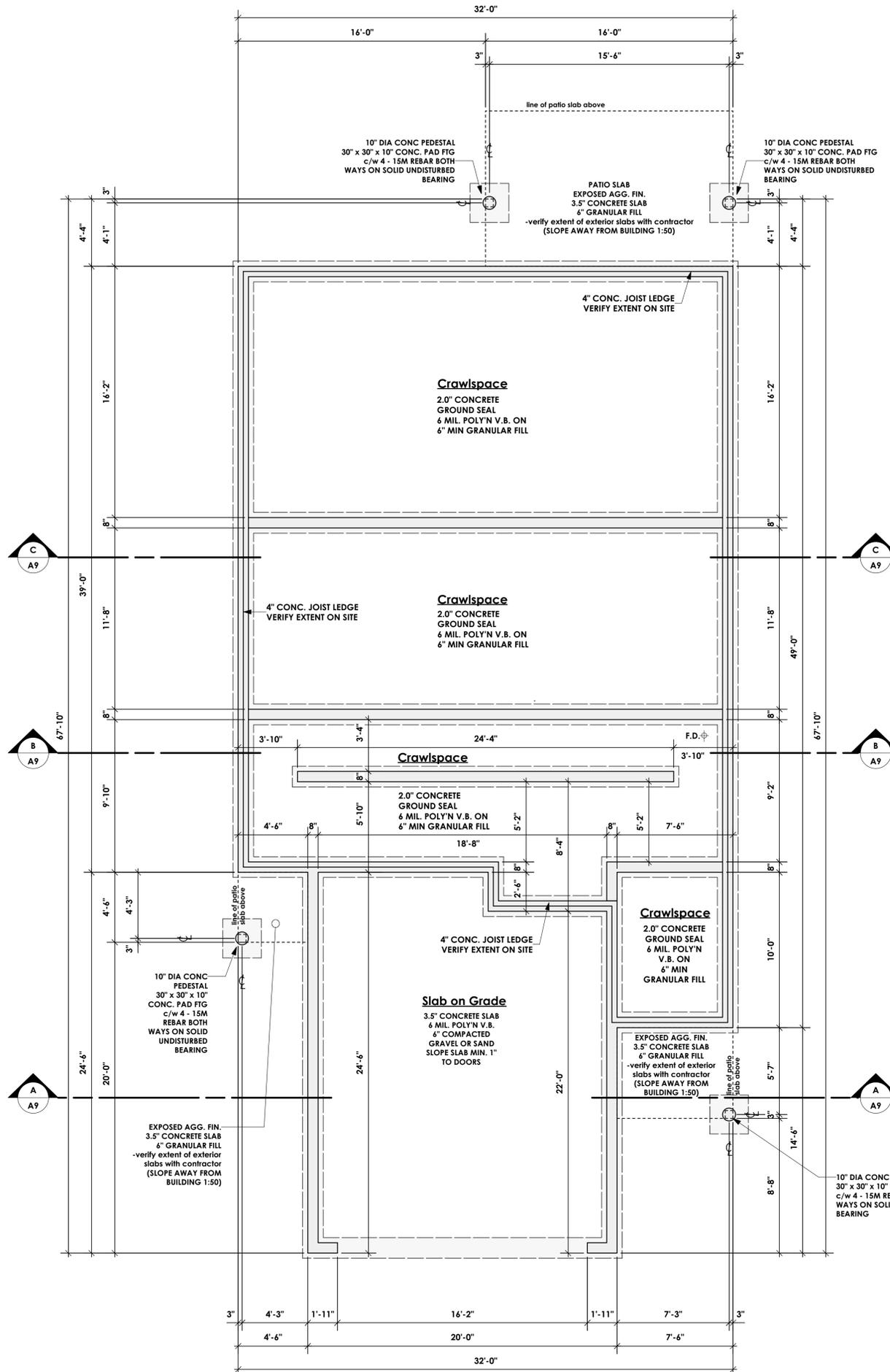
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<p>VICTORIA DESIGN GROUP 103 - 891 4 TREE AVENUE VICTORIA, B.C. V 8S 0A6 PH: 250-382-7374 FAX: 250-382-7364 WWW.VICTORIADESIGNGROUP.CA</p>	DRWG NO.	7580-35
	SHT. NO.	A4 OF A9
	DATE	Mar. 18, 2019
	SCALE	As Shown
	DRAWN	N.S.
	REVIEWED BY	J.T.E.

PROJECT **Proposed Residence:**
Langdon Weir
Construction Ltd.
Lot 35 Latoria Rise
3511 Paperbark Cres.
Langford, B.C.



1
A5 **Foundation Plan**
Scale: 1/4" = 1'-0"

ALL STRUCTURE TO BE VERIFIED OR DESIGNED BY A STRUCTURAL ENGINEER. STRUCTURAL ENGINEER TO LOCATE AND DESIGN REQUIRED EXTERIOR AND INTERIOR WALL BRACING TO RESIST LATERAL LOADS IN COMPLIANCE WITH B.C. BUILDING CODE 9.23.13.2 AND SUPPLY DETAILS IF REQUIRED

DOOR SCHEDULE

- A 8/0 X 6/8 (2438 X 2032)
- B 6/0 X 6/8 (1829 X 2032)
- C 5/0 X 6/8 (1524 X 2032)
- D 4/0 X 6/8 (1219 X 2032)
- E 3/0 X 6/8 (914 X 2032)
- F 2/10 X 6/8 (864 X 2032)
- G 2/8 X 6/8 (813 X 2032)
- H 2/6 X 6/8 (762 X 2032)
- J 2/4 X 6/8 (711 X 2032)
- K 2/0 X 6/8 (610 X 2032)
- L 1/6 X 6/8 (508 X 2032)

Mechanical Exhaust Fans

- [F1] 23 L/s (50 CFM) Intermittent OR 9 L/s (20 CFM) continuous
- [F2] 28 L/s (60 CFM) continuous
- [F3] 14 L/s (30 CFM) continuous
- [V1] 96 cm² Crawlspace Air Transfer Grille

WALL LEGEND

- REFER TO SECTION NOTES FOR ASSEMBLIES
- W1 2"X6" STUD EXTERIOR WALL
 - W2 2"X4" STUD INTERIOR WALL
 - W3 W 1g RATED WALL 2"X4" OR 2"X6" STUD 1.0 HR. FRR
 - 2 1/2" EXTRUDED POLYSTYRENE RIGID INSULATION
 - 2" X 6" CRAWLSPACE FRAMING
 - 8" THK. FNDN WALL
 - 16" X 8" CONCRETE STRIP FOOTING
 - SOLID BLOCKING
 - B/U WD POST (LOAD ABOVE)
 - POINT LOAD

Refer to general notes

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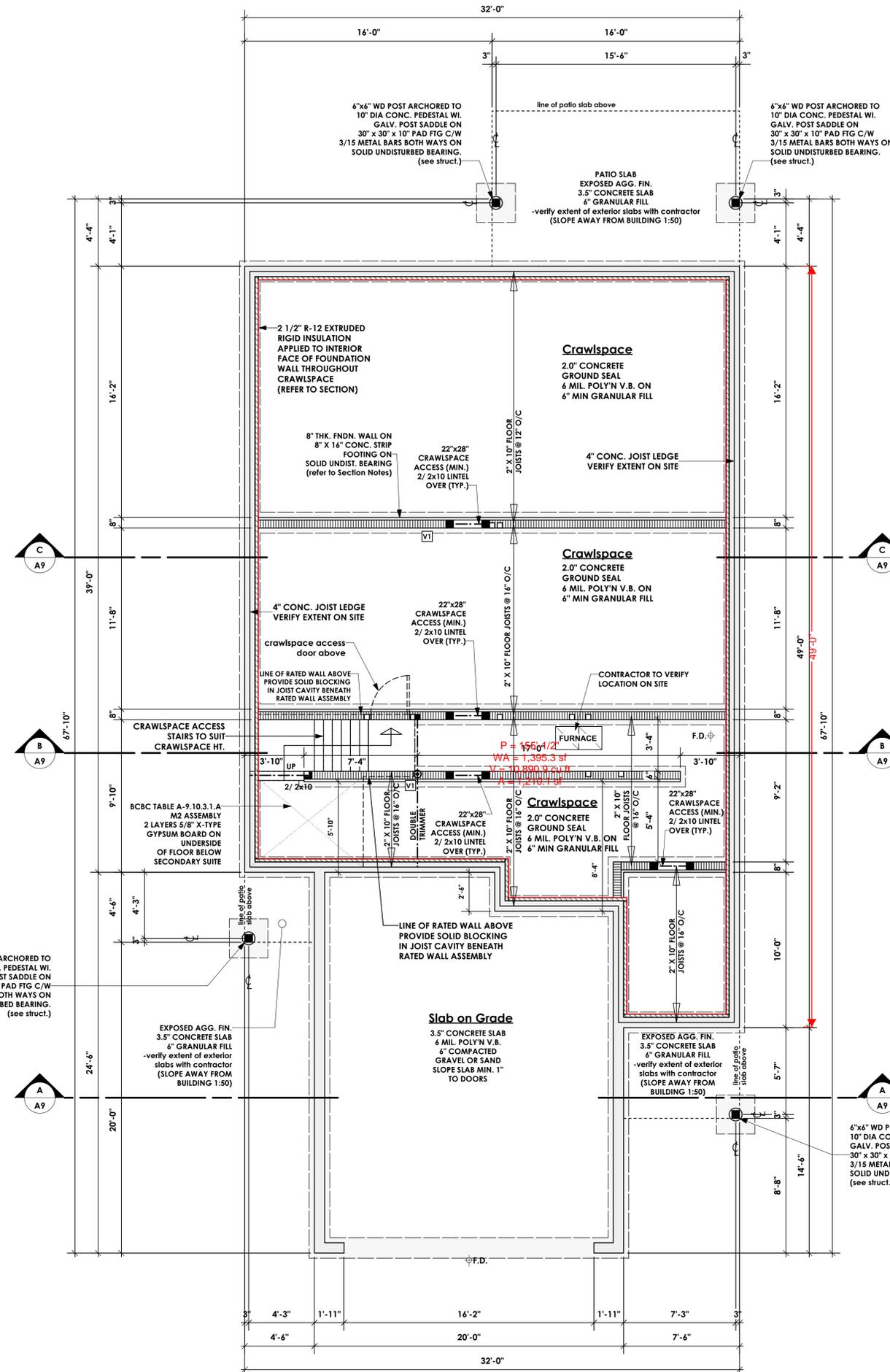
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DRWG NO. **7580-35**
SHEET NO. **A5** OF **A9**
DATE **Mar. 18, 2019**
SCALE **As Shown**
DRAWN **N.S.**
REVIEWED BY **J.T.E.**

PROJECT
Proposed Residence:
Langdon Weir
Construction Ltd.
Lot 35 Latoria Rise
3511 Paperbark Cres.
Langford, B.C.



1 Crawlspace Plan

A6 Scale: 1/4" = 1'-0"

Crawlspace 1242.59 sq.ft. (115.44 sq.m.)

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Refer to general notes

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- REFER TO SECTION NOTES FOR ASSEMBLIES
- W1 2"x6" STUD EXTERIOR WALL
 - W2 2"x4" STUD INTERIOR WALL
 - W3 W 1g RATED WALL 2"x4" OR 2"x6" STUD 1.0 HR. FRR
 - 2 1/2" X 6" CRAWLSPACE FRAMING
 - 8" THK. FNDN WALL
 - 16" X 8" CONCRETE STRIP FOOTING
 - SOLID BLOCKING
 - B/U WD POST (LOAD ABOVE)
 - POINT LOAD

PROFESSIONAL SEALS

CONSULTANTS

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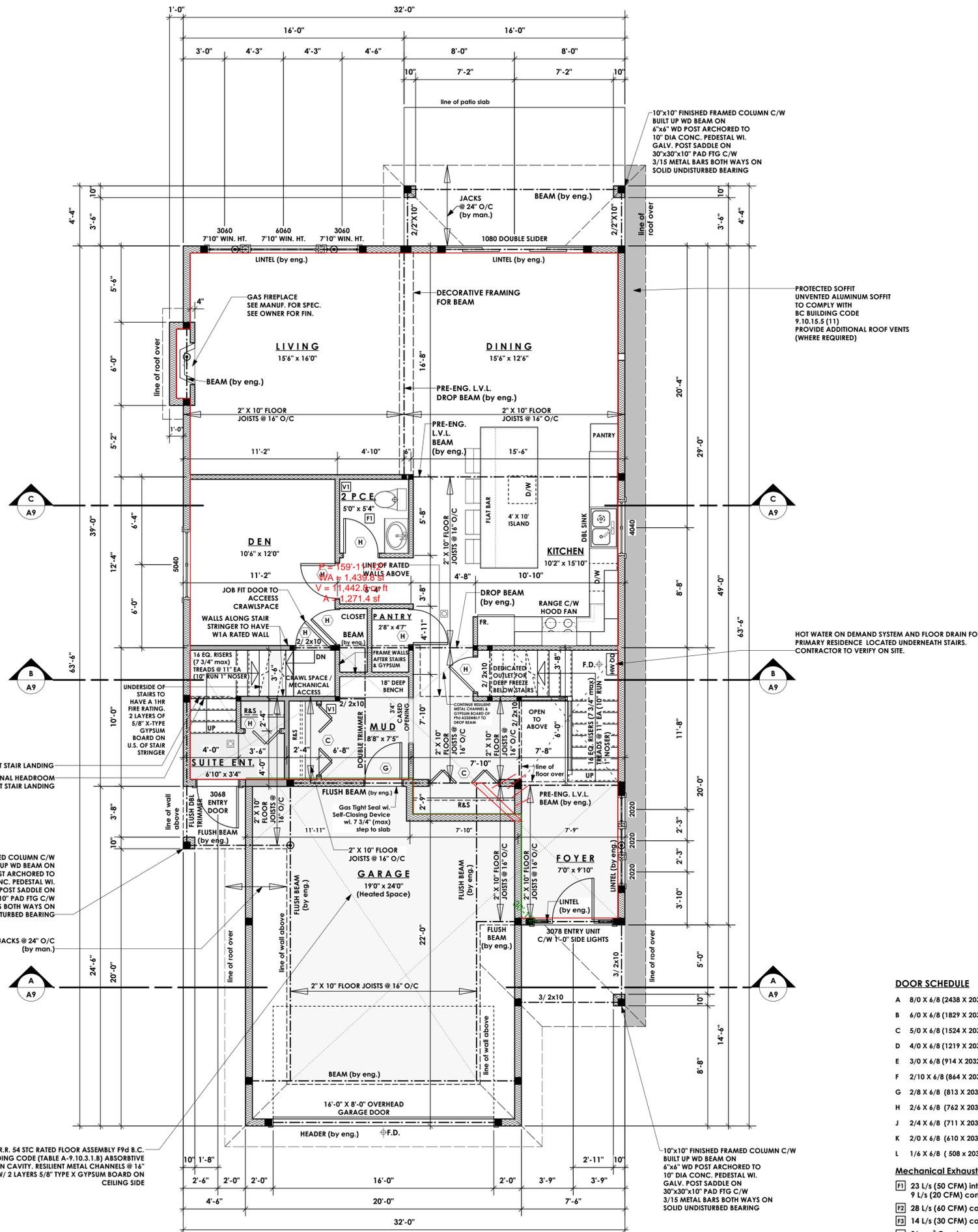
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	SHT. NO. A6 OF A9
	DATE Mar. 18, 2019
	SCALE As Shown
DRAWN N.S.	REVIEWED BY J.T.E.

PROJECT **Proposed Residence: Langdon Weir Construction Ltd. Lot 35 Latoria Rise 3511 Paperbark Cres. Langford, B.C.**



WALL LEGEND
REFER TO SECTION NOTES FOR ASSEMBLIES

- W1 2"x6" STUD EXTERIOR WALL
- W2 2"x4" STUD INTERIOR WALL
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- 1 1/2" EXTRUDED POLYSTYRENE RIGID INSULATION
- 2" X 6" CRAWLSPACE FRAMING
- 8" THK. FNDN WALL
- 16" X 8" CONCRETE STRIP FOOTING
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- POINT LOAD

DOOR SCHEDULE

- A 8/0 X 6/8 (2438 X 2032)
- B 6/0 X 6/8 (1829 X 2032)
- C 5/0 X 6/8 (1524 X 2032)
- D 4/0 X 6/8 (1219 X 2032)
- E 3/0 X 6/8 (914 X 2032)
- F 2/10 X 6/8 (864 X 2032)
- G 2/8 X 6/8 (813 X 2032)
- H 2/6 X 6/8 (762 X 2032)
- J 2/4 X 6/8 (711 X 2032)
- K 2/0 X 6/8 (610 X 2032)
- L 1/6 X 6/8 (508 X 2032)

Mechanical Exhaust Fans

- F1 23 L/s (50 CFM) Intermittent OR 9 L/s (20 CFM) continuous
- F2 28 L/s (60 CFM) continuous
- F3 14 L/s (30 CFM) continuous
- V1 96 cm² Crawlspace Air Transfer Grille

Refer to general notes

1 Main Floor Plan
A7 Scale: 1/4" = 1'-0"

Primary Living 1257.01 sq.ft. (116.78 sq.m.)
Secondary 86.97 sq.ft. (8.08 sq.m.)
Total 1343.98 sq.ft. (124.86 sq.m.)

Garage 475.01 sq.ft. (44.13 sq.m.)

Interconnected Smoke detectors to comply with B.C.B.C 9.10.19.
Interconnected Carbon Monoxide detectors to comply with B.C.B.C. 9.32.4.2.

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NOTE: ROOM SIZES NOTED ON FLOOR PLANS ARE FOR REFERENCE PURPOSES ONLY AND NOT TO BE USED FOR CONSTRUCTION. DIMENSIONS TAKE PRECEDENCE OVER SIZES AND ARE TO BE USED FOR CONSTRUCTION

1 HR. F.R.R. 54 STC RATED FLOOR ASSEMBLY F94 B.C. BUILDING CODE (TABLE A-9.10.3.1.8) ABSORBITIVE MATERIAL IN CAVITY. RESILIENT METAL CHANNELS @ 16" O/C W/ 2 LAYERS 5/8" TYPE X GYPSUM BOARD ON CEILING SIDE

PROFESSIONAL SEALS

CONSULTANTS

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DRWG NO. **7580-35**
SHT. NO. **A7 OF A9**
DATE **Mar. 18, 2019**
SCALE **As Shown**
DRAWN **N.S.**
REVIEWED BY **J.T.E.**

PROJECT **Proposed Residence: Langdon Weir Construction Ltd. Lot 35 Latoria Rise 3511 Paperbark Cres. Langford, B.C.**

1 Upper Floor Plan

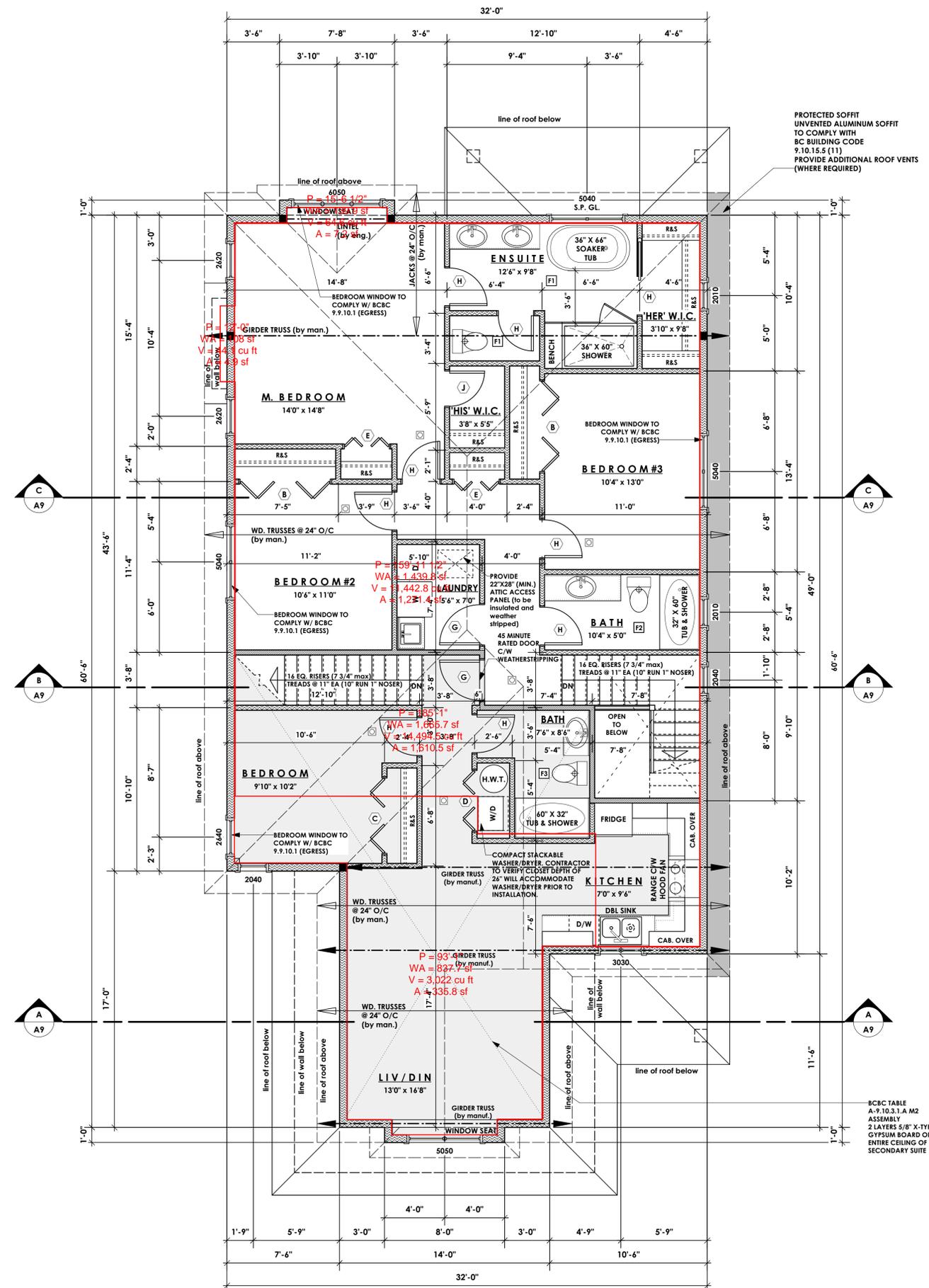
A8 Scale: 1/4" = 1'-0"

Primary Living 1037.96 sq.ft. (96.43 sq.m.)
Secondary 665.42 sq.ft. (61.82 sq.m.)
Total 1703.38 sq.ft. (158.25 sq.m.)

☑ Interconnected Smoke detectors to comply with B.C.B.C 9.10.19.
☑ Interconnected Carbon Monoxide detectors to comply with B.C.B.C. 9.32.4.2.

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DOOR SCHEDULE

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- [F1] 23 L/s (50 CFM) Intermittent OR 9 L/s (20 CFM) continuous
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Refer to general notes

WALL LEGEND

REFER TO SECTION NOTES FOR ASSEMBLIES

- [W1] 2"x6" STUD EXTERIOR WALL
- [W2] 2"x4" STUD INTERIOR WALL
- [W3] W 1g RATED WALL 2"x4" OR 2"x6" STUD 1.0 HR. FRR
- 2 1/2" EXTRUDED POLYSTYRENE RIGID INSULATION
- 2" X 6" CRAWLSPACE FRAMING
- 8" THK. FNDN WALL
- 16" X 8" CONCRETE STRIP FOOTING
- SOLID BLOCKING
- B/U WD POST (LOAD ABOVE)
- POINT LOAD

Refer to general notes

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DRWG NO. **7580-35**

SHT. NO. **A8 OF A9**

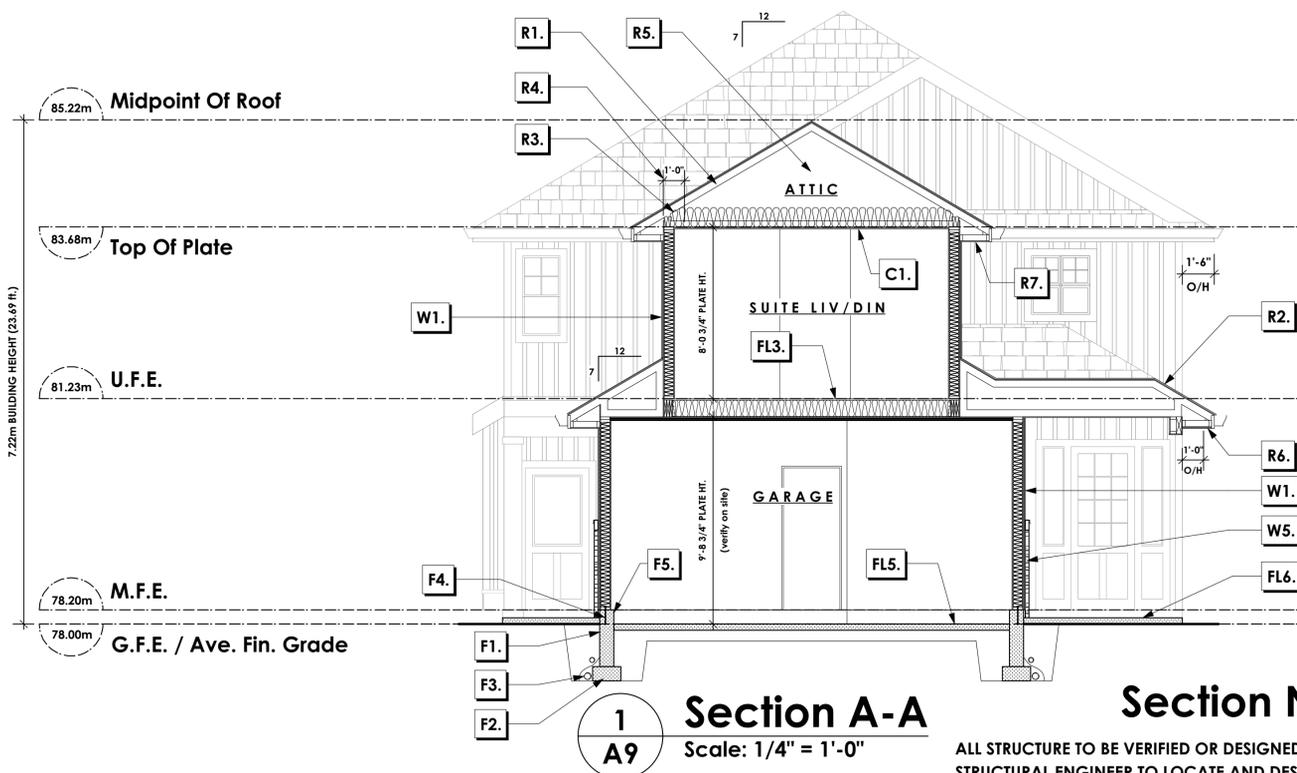
DATE **Mar. 18, 2019**

SCALE **As Shown**

DRAWN **N.S.**

REVIEWED BY **J.T.E.**

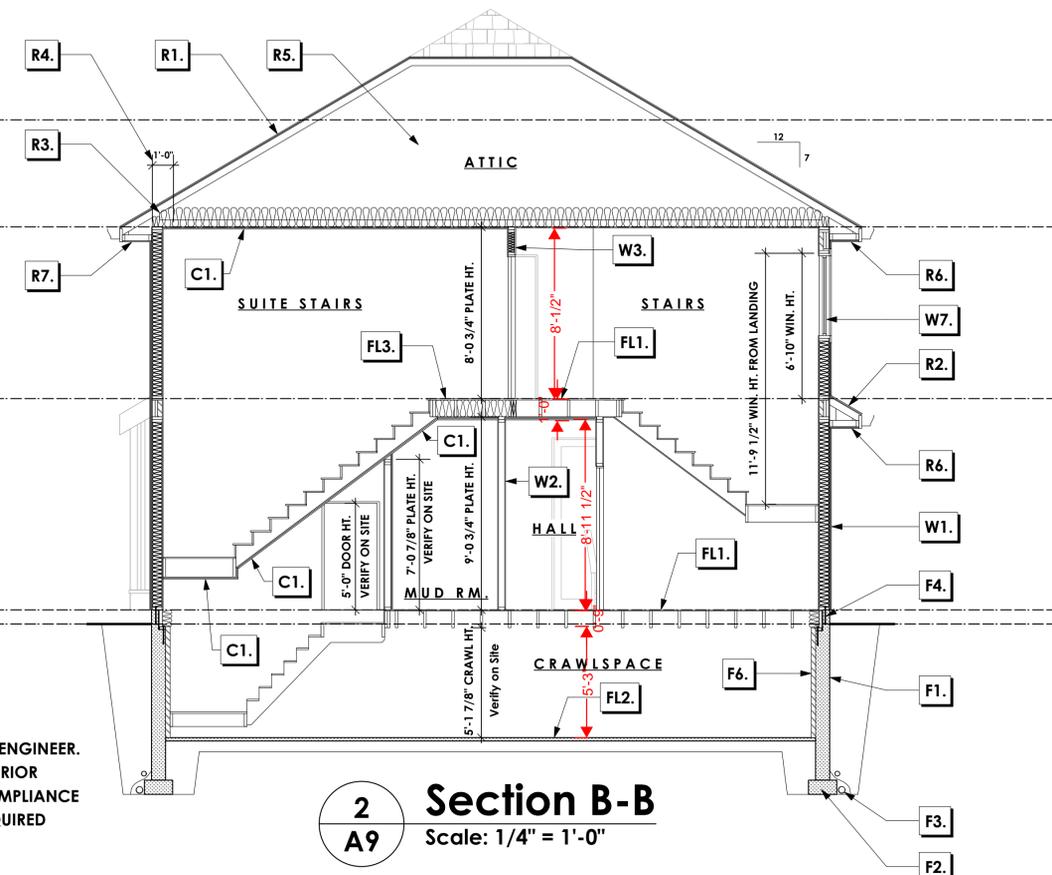
PROJECT **Proposed Residence: Langdon Weir Construction Ltd. Lot 35 Latoria Rise 3511 Paperbark Cres. Langford, B.C.**



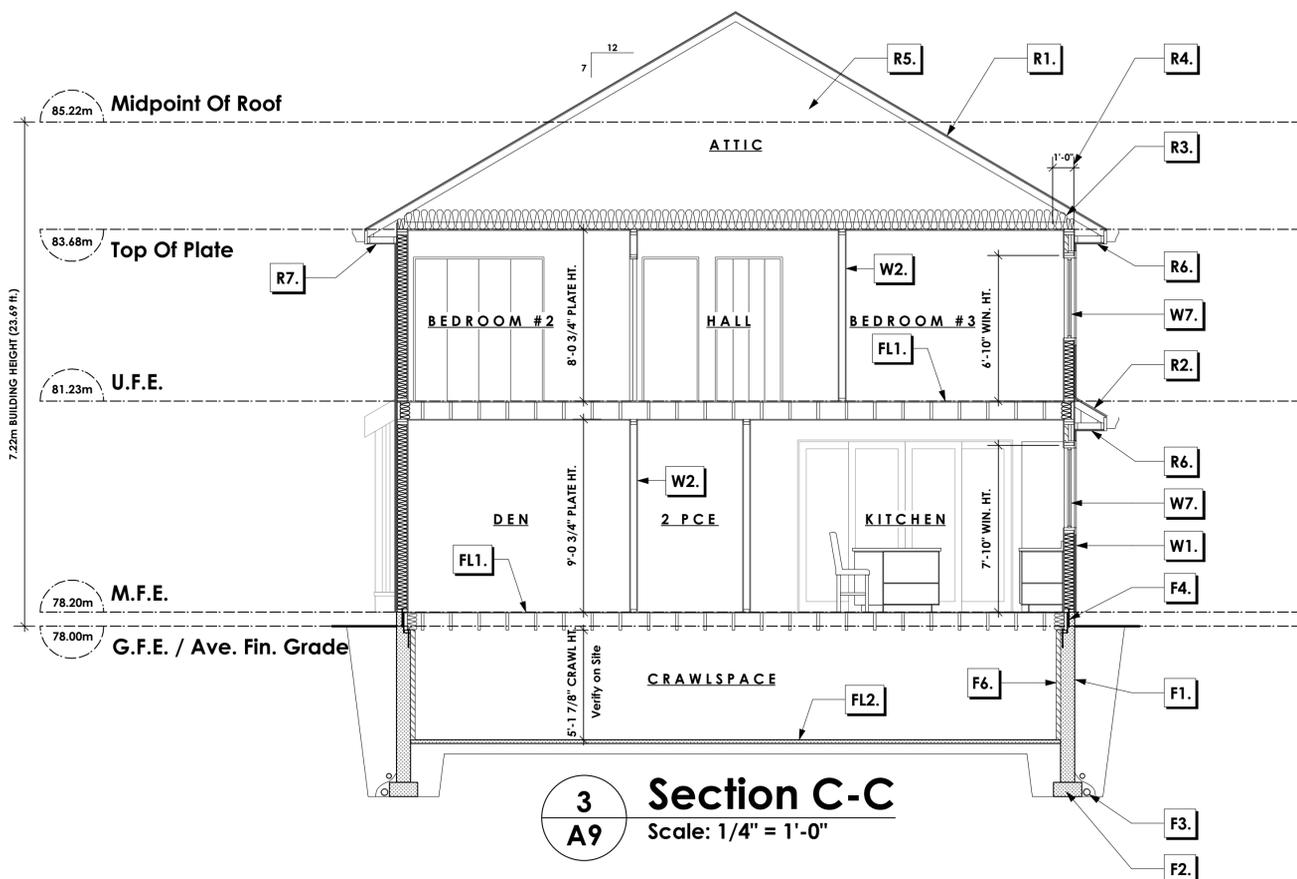
Section A-A
Scale: 1/4" = 1'-0"

Section Notes

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Section B-B
Scale: 1/4" = 1'-0"



Section C-C
Scale: 1/4" = 1'-0"

Walls

- W1. CONC. FIBRE SIDING (James Hardie or eq.) ON 9.5mm (3/8") AIR SPACE / STRAPPING 3/8"x2" BORATE TREATED PLYWOOD STRAPPING HOUSE WRAP (A.B.) (TYVEK OR EQ.) 1/2" PLYWOOD SHEATHING OR EQ. ON 2x6 STUDS @ 16" O/C R-20 INSULATION 6 MIL POLYETHYLENE VAPOUR BARRIER 1/2" GYPSUM BOARD (refer to details on D1)
- W2. INTERIOR PARTITION 1/2" GYPSUM BOARD ON EACH SIDE OF 2x4 STUDS @ 16" o/c OR 2x6 STUDS @ 16" o/c (if noted)
- W3. B.C. BUILDING CODE (A-9.10.3.1.A) RATED WALL ASSEMBLY W1a 1 LAYER 5/8" X-TYPE GYPSUM BOARD ON EACH SIDE OF 2x4 STUDS @ 16" O/C OR 2x6 STUDS @ 16" O/C (if noted) c/w 3 1/2" FIBRE GLASS SOUND BATS FRICTION FITTED AND SOLID FILLED 1 HR. F.R.R 36 S.T.C (between secondary suite & primary living)
- W4. 5/8" X-TYPE GYPSUM BOARD ON 2x4 STUDS @ 16" o/c c/w R-20 INSULATION 6MIL POLY V.B 1/2" GYPSUM BOARD (between garage & primary living) (not shown in section)
- W5. PRE-MANUFACTURED STONE VENEER (installed to manuf. spec) LIME BASED MORTAR SETTING BED ON LIME BASED MORTAR SCRATCH COAST ON METAL LATHE INSTALLED HORIZONTALLY OVERLAP HORIZONTAL AND VERTICAL SEAMS 1" SEMI-RIGID BACK BOARD (HAL-TEX RAINBOARD OR EQ.) 9.5mm (3/8") AIR SPACE / STRAPPING 3/8"x2" BORATE TREATED PLYWOOD STRAPPING HOUSE WRAP (A.B.) (TYVEK OR EQ.) 1/2" PLYWOOD SHEATHING OR EQ. ON 2x6 STUDS @ 16" (as required)
- W6. 10"x10" FINISHED FRAMED COLUMN C/W 4" X 4" POST ANCHORED TO 10" DIA CONC PEDESTAL 30" x 30" x 10" CONC. PAD FIG c/w 4 - 15M REBAR BOTH WAYS ON SOLID UNDISTURBED BEARING (not shown in section)
- W7. DOUBLE GLAZING ENERGY STAR LOW "E" RATING IN THERMAL BREAK FRAMES 2/2"x10" LINTEL OVER (bearing walls only) (TYPICAL, w/ 2 1/2" XPS insulation) FLASHING OVER @ EXTERIOR (glazing in all exterior doors & within 3 ft. of exterior doors to be shatterproof (SP)) WINDOW REQUIREMENTS DERIVED FROM BCBC TABLE C-5 AS PER BCBC 9.7.4.3. AND ARE TO BE USED TO SATISFY THE REQUIREMENTS OF AAMA/WDMA/CSA 101/1.5.2/A440. "NAFS": Langford, CLASS B, DP 940, PG 20, WATER RESIST. 220, A2, RATINGS MUST BE CLEARLY LABELED ON ALL WINDOW UNITS UPON INSTALLATION FOR INSPECTION.

Floors

- FL1. FINISHED FLOORING ON 5/8" T&G PLYWOOD OR EQ. (nailed & glued to floor struct. below) ON 2"x10" FLOOR JOISTS @ 12" OR 16" O/C C/W 2x2 X-BRIDGING @ 7.0' O/C (max) 1/2" GYPSUM BOARD (no gypsum in crawlspace)
- FL2. 2" CONCRETE SEAL 4 MIL POLYN V.B. 6" COMPACTED GRAVEL OR SAND
- FL3. F9d RATED FLOOR ASSEMBLY (BCBC table A-9.10.3.1.B) FINISH FLOORING ON 5/8" T&G PLYWOOD OR EQ. (nailed & glued to floor struct. below) 2"x10" FLOOR JOISTS @ 16" O/C C/W CROSS BRIDGING @ 82" O/C (min.) C/W R-31 F/G BATT INSULATION RESILIENT CHANNELS @ 16" O/C 2 LAYERS 5/8" X-TYPE GYPSUM BOARD FR: 1.0 hr. STC: S2 (between secondary suite & primary living/garage)
- FL4. FINISHED FLOORING ON 5/8" T&G PLYWOOD OR EQ. (nailed & glued to floor struct. below) ON 2"x10" FLOOR JOISTS @ 12" OR 16" O/C C/W 2x2 X-BRIDGING @ 7.0' O/C (max) PROVIDE R-31 F/G BATT INSULATION IN JOIST CAVITY C/W VENTED SOFFIT (to owners spec's) TO ALL SUSPENDED FLOOR AREAS (not shown in section)
- FL5. 3 1/2" CONCRETE SLAB 4 MIL POLYN V.B. 6" COMPACTED GRAVEL OR SAND SLOPE TO DOORS 1"
- FL6. EXPOSED AGG. FIN. 3.5" CONCRETE SLAB 6" COMPACTED GRAVEL OR SAND SLOPE 2% AWAY FROM HOUSE (patio and porches)

Foundation Walls

- F1. DAMPROOFING (where required) ON 8" THK. CONC. FOUNDATION WALL C/W 15 M BARS @ 24" o/c 8/W
- F2. 16"x8" CONC. FOOTINGS C/W 2 (TWO) 15m BARS CONT. 3 IN. FROM BOT. ON UNDISTURBED SOIL (SOLID BEARING)
- F3. 4" PERIMETER DRAIN 3" TIGHT PIPE FOR RWL DRAIN ROCK
- F4. ANCHOR BOLTS @ 4.0 FT. o/c MAX c/w SILL GASKETS
- F5. STEP DOWN TO GARAGE SLAB MAY VARY. VERIFY EXTENT ON SITE
- F6. 2 1/2" EXTRUDED POLYSTYRENE RIGID INSULATION APPLIED TO CONC. FDN. WALL (crawl space only) INSULATION TO EXTEND TO TOP OF 2" CONC. GROUND SEAL

Roofs

- R1. LAMINATED ASPHALT SHINGLES ON 1/2" PLYWOOD SHEATHING OR EQUAL C/W "H" CLIPS WD TRUSSES (DESIGNED BY MANUF.) 14 1/2" FIBREGLASS LOOSE FILL INSULATION (ALLOW FOR SETTLING) OR R-40 FIBREGLASS BATT INSULATION 6 MIL POLYN V.B. 5/8" GYPSUM BOARD
- R2. LAMINATED ASPHALT SHINGLES ON 1/2" PLYWOOD SHEATHING OR EQUAL C/W "H" CLIPS WD TRUSSES (DESIGNED BY MANUF.) VENTED ALUMINUM SOFFIT
- R3. PROVIDE 2 1/2" (63mm) CLEAR BETWEEN INSULATION AND SHEATHING. (min. R-20 @ roof-wall connection)
- R4. EAVE PROTECTION CONT. UP ROOF SLOPE FOR 12" PAST EXTERIOR WALL
- R5. PROVIDE 1 SQ.FT. ATTIC VENT PER 300 SQ.FT. OF INSULATED AREA MIN. 25% OF REQUIRED TO BE @ TOP AND BOTTOM (to comply w/ B.C. bldg. code 9.19.1)
- R6. PRE-FN. ALUMINUM FASCIA GUTTER 2"x8" FASCIA BD. 2"x4" SUB. FASCIA BD. UNVENTED ALUMINUM SOFFIT TO COMPLY W/ B.C. BLDG. CODE 9.10.15.5.(11) (verify material)
- R7. PRE-FN. ALUMINUM FASCIA GUTTER 2"x8" FASCIA BD. 2"x4" SUB. FASCIA BD. VENTED ALUMINUM SOFFIT (see contractor)

Ceiling

- C1. BCBC TABLE A-9.10.3.1.A M2 ASSEMBLY 2/ 5/8" X-TYPE GYPSUM BOARD 6 MIL POLYN V.B. ON U.S. OF WD. TRUSSES (on rated ceiling in suite) 1.0 F.R.R

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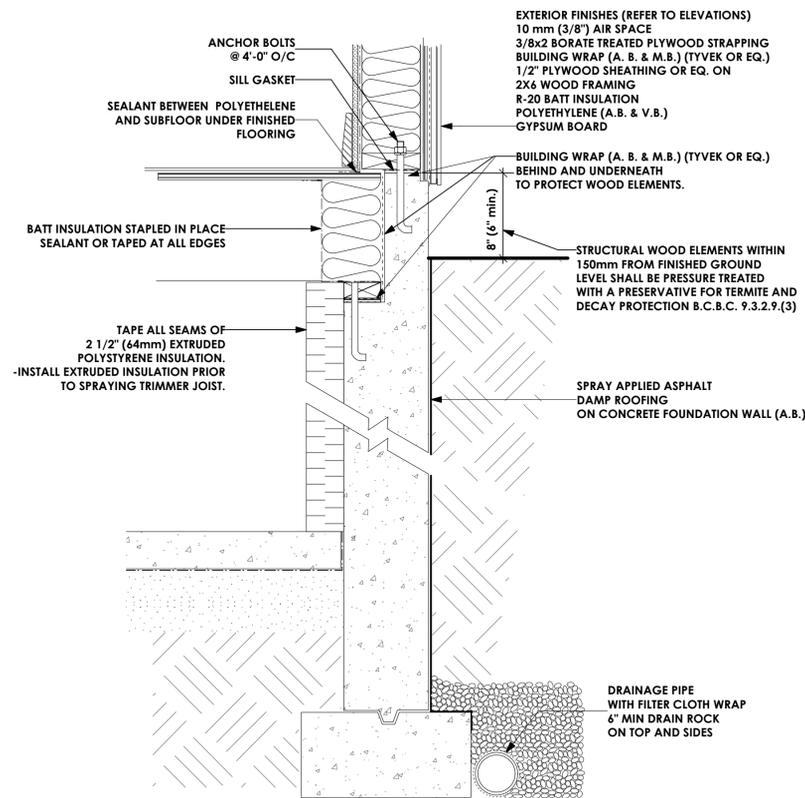
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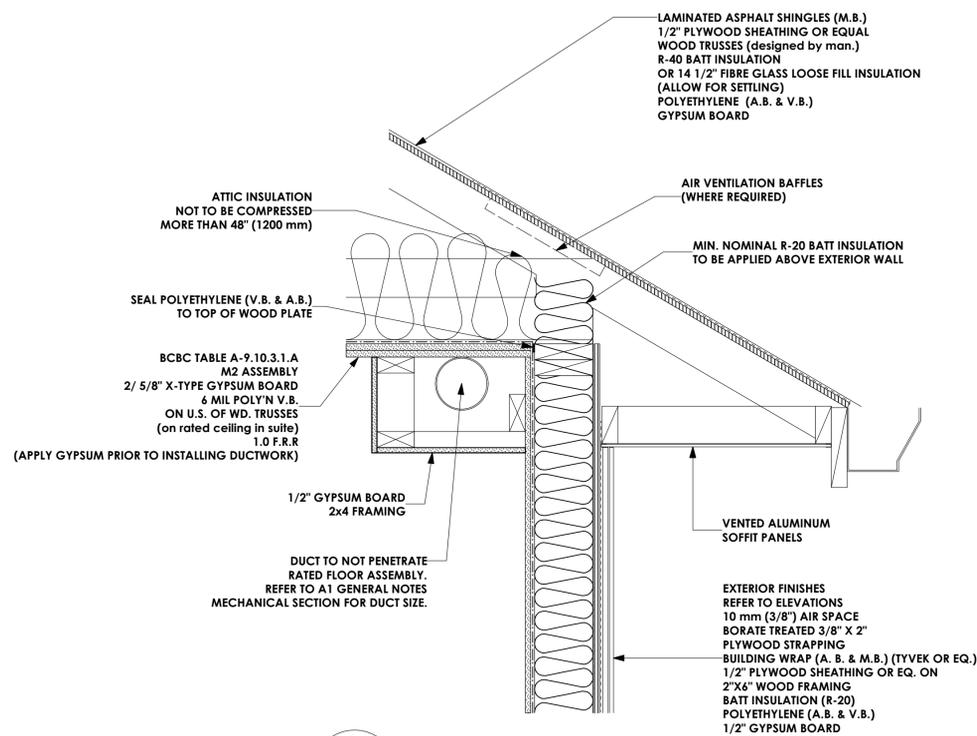
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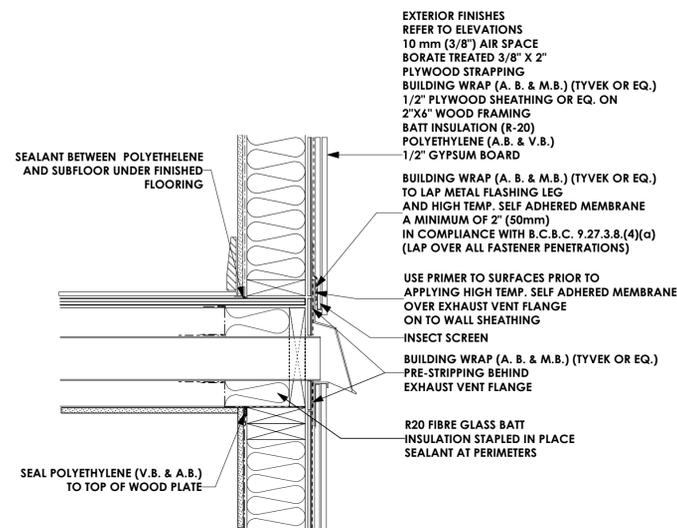
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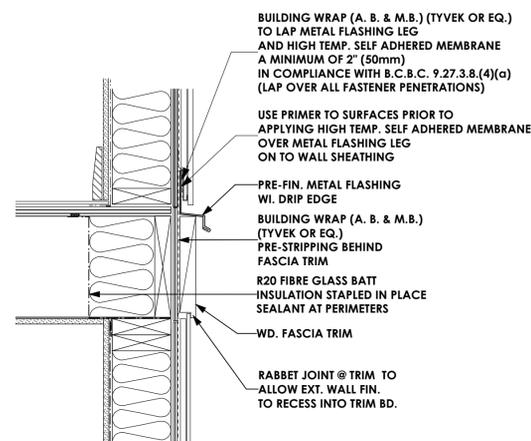
1 Concrete Joist Ledge
Scale: 1 1/2" = 1'-0"



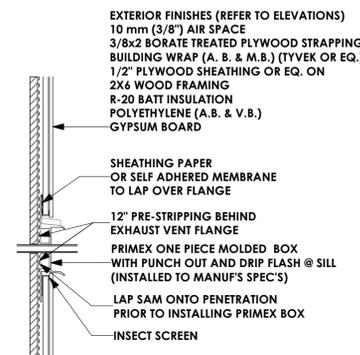
2 Bulk Head (Suite)
Scale: 1 1/2" = 1'-0"



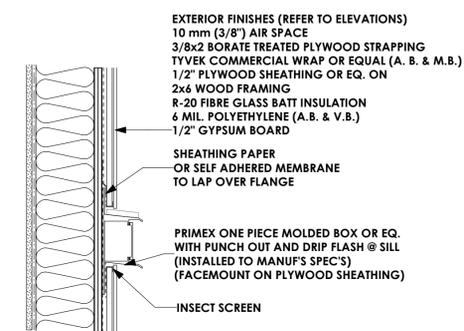
3 Wall Exhaust Vent
Scale: 1 1/2" = 1'-0"
PRIMEX CAP (OR EQ.) REFER TO MANUF. FOR SPECIFICATIONS & INSTALLATION



4 Trimmer Joist
Scale: 1 1/2" = 1'-0"



5 Pipes
Scale: 1 1/2" = 1'-0"
PRIMEX BOX REFER TO MANUF. FOR SPECIFICATIONS & INSTALLATION



6 Electrical Fixtures
Scale: 1 1/2" = 1'-0"
PRIMEX BOX REFER TO MANUF. FOR SPECIFICATIONS & INSTALLATION

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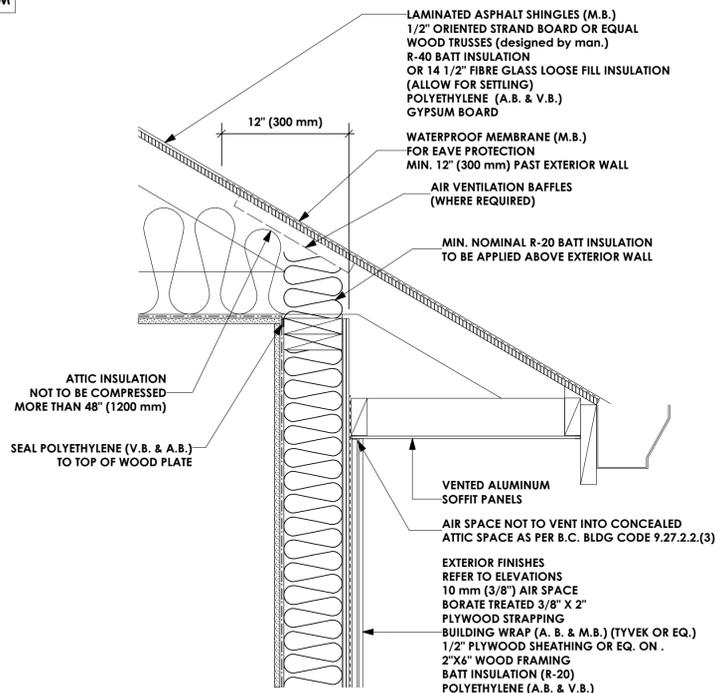
Note: Where final construction differs from approved working drawings following on-site alterations or modification executed by the contractor or owner, as-built revisions to plans for municipal submission shall be for the account of the contractor or owner. Such plan revisions shall be provided at the hourly Victoria Design Group technical drafting rate applicable at the time of revision.

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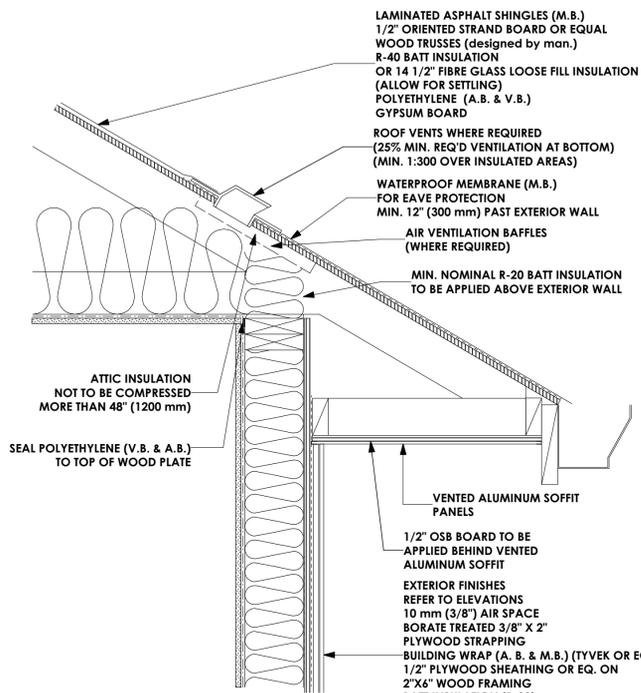
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DRWG NO. **7580-35**
SHT. NO. **D1** OF **D2**
DATE **Mar. 18, 2019**
SCALE **As Shown**
DRAWN **N.S.**
REVIEWED BY **J.T.E.**

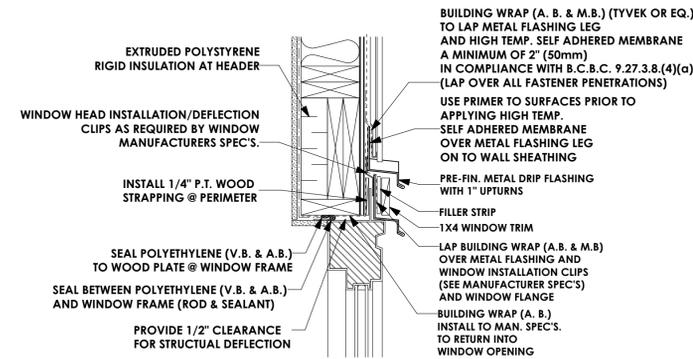
PROJECT **Proposed Residence:
Langdon Weir
Construction Ltd.
Lot 35 Latoria Rise
3511 Paperbark Cres.
Langford, B.C.**



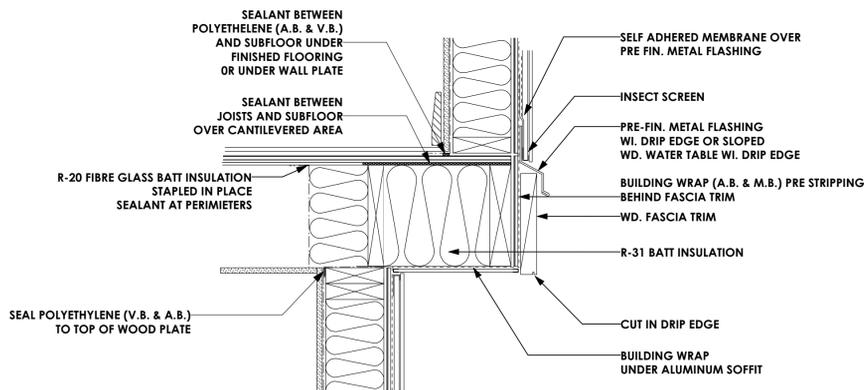
1
D2 **Water Shedding Roof / Wall**
Scale: 1 1/2" = 1'-0"



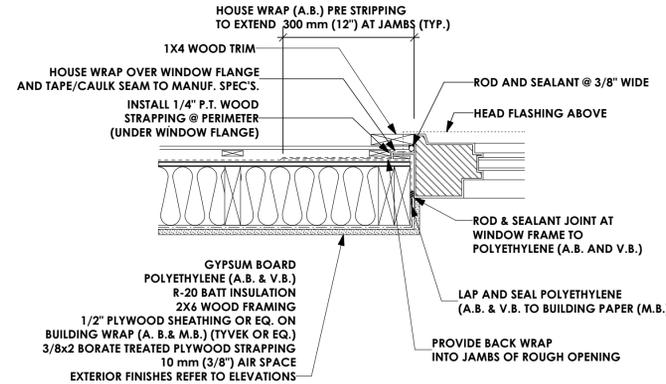
2
D2 **Soffit Protection**
Scale: 1 1/2" = 1'-0"
BC BUILDING CODE 9.10.15.5 (11)
(USE PROVIDED DETAIL WHEN ROOF OVERHANG IS WITHIN 1.20M OF PROPERTY LINE)



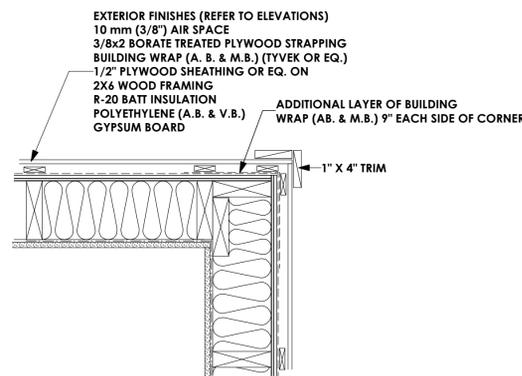
3
D2 **Window Head**
Scale: 1 1/2" = 1'-0"



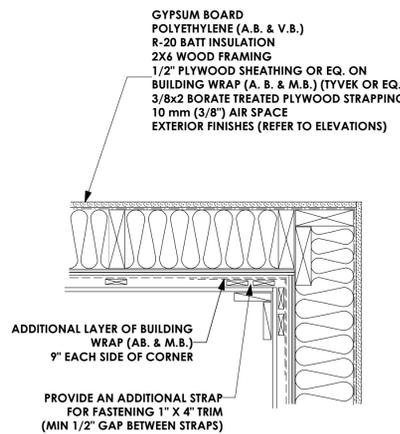
4
D2 **Cantilevered Floor**
Scale: 1 1/2" = 1'-0"



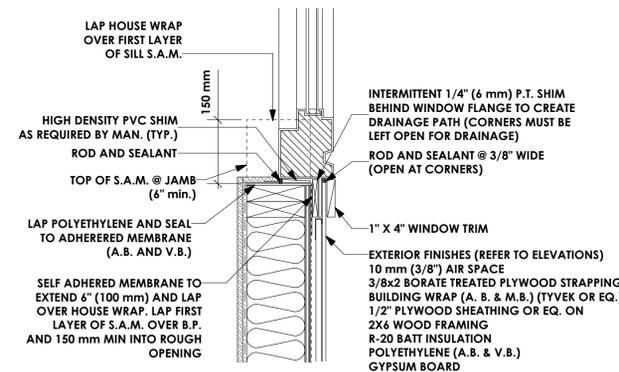
5
D2 **Window Jamb**
Scale: 1 1/2" = 1'-0"



6
D2 **Exterior Corner**
Scale: 1 1/2" = 1'-0"



7
D2 **Interior Corner**
Scale: 1 1/2" = 1'-0"



8
D2 **Window Sill**
Scale: 1 1/2" = 1'-0"

PROFESSIONAL SEALS

CONSULTANTS

LIST OF DRAWINGS

A1	General Notes
A2	Siteplan
A3	Elevations Front & Right
A4	Elevations Left & Rear
A5	Foundation Plan
A6	Crawlspace Plan
A7	Main Floor Plan
A8	Upper Floor Plan
A9	Section
D1	Rainscreen Details
D2	Rainscreen Details

ISSUED/REVISED

No.	DATE	ISSUED/REVISED
01	03/18/19	For B.P. Submission
02		
03		
04		
05		
06		
07		
08		

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