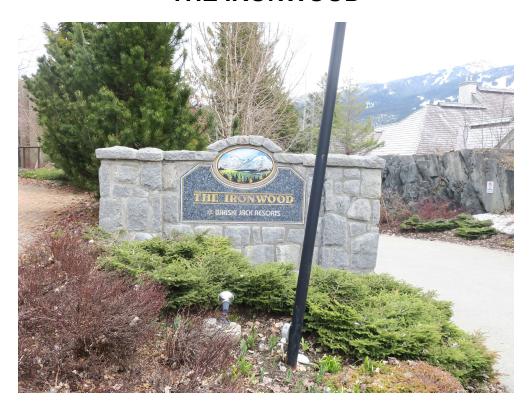


#208 – 111 W. BROADWAY VANCOUVER, BC V5Y 1P4 604.428.7677

# DESIGN RATIONALE FOR DEVELOPMENT PERMIT at THE IRONWOOD



3217 Blueberry Drive, Whistler, BC

Prepared for:

Resort Municipality of Whistler
(planning@whistler.ca)

ZCI File No.: IW.004

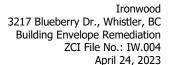
April 24, 2023



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Appendix "A" SITE PLAN AND DRAWINGS





# 1. PROJECT RATIONALE

The Ironwood is a 3-storey condo building that was built in 1990. It is a wood frame construction with concrete slab foundation and asphalt roof. There are 37 units in total.

As the building is 30+ years old, it is in need of repair and in response the strata board decided an upgrade to the building envelope components was necessary. This includes replacement of all windows, patio doors, wood, siding, deck membrane, and guardrails.

The remediation will revitalize the complex making it look much more appealing. The new materials were selected for quality, efficiency, environmental performance, and high specifications.

## 2. SCOPE OF WORK

- 1. Building Envelope Remediation:
  - 1. Complete replacement of the existing cladding with new rainscreen cladding, including new fibre-cement siding and trim.
  - Complete replacement of guardrails with new face-mounted system. The height of some of the guardrails has been increased to also act as privacy walls.
  - 3. Complete replacement of all windows and exterior doors (excluding the front entrance door and fire rated doors) with new double-glazed vinyl framed windows, sliding doors and exterior swing doors, including the construction of adequate waterproofing details at their rough openings.
  - 4. Complete replacement of all balcony assemblies, including replacement of waterproofing membrane, deck boards and sheathing, guardrails, flashings, soffits and installation of new gutters and downspouts.
  - Complete replacement of low-sloped roof assembly above the elevator machine room, including replacement of waterproofing membranes, deck sheathing, flashings, drains, overflow scuppers, perimeter curb, gutters, and downspouts, and re-sloping as required.

# 2. Structural:

1. Replacement of the existing exterior timber columns with new as indicated in Structural drawings and specifications.



# 3. EXISTING CONDITIONS

- 1. The existing building envelope components are now beyond their service life and showing wear and tear. Existing materials include:
  - 1. Vertical wood siding with wood trim.
  - 2. Wood columns.
  - 3. Wood and metal guardrails.
  - 4. Vinyl membrane.
  - 5. Aluminum windows and doors.
  - 6. The roof above the elevator machine room is a low slope SBS roof with a temporary self-adhesive membrane.

The following photographs illustrate the existing conditions:



Photo 1 - from southwest corner.



Photo 2 - Balcony.



Photo 3 – Roof over elevator room with temporary self-adhesive membrane



Photo 4 - Upper floor balcony decking.



# 4. MATERIALS AND FINISHES

# 1. CLADDING

1. The existing cladding will be completely replaced with new rainscreen cladding, including new fibre-cement siding and trim.

# 2. SIDING

- 1. The colour of the siding, flashings, and soffits will be "Aged Pewter" based on James Hardie Board colour options.
- 2. Thickness: 5/16"; Weight: 2.3 lbs/sq. ft.; Length: 12' planks, Width: 71/4" (6" exposure) with Select Cedarmill. Surface Texture: Light Wood Grain. Factory (baked-on) primed and painted with ColorPlus technology.
- 3. Hardiplank Fibre-Cement Lap Siding as manufactured by JamesHardie Building Products or a pre-approved equivalent.
- 4. Non-combustible, non-asbestos autoclaved fibre-cement products composed of Portland cement, ground sand, cellulose fibre, selected additives and water.
- 5. Flexural Strength (ASTM C1185): Based on equilibrium moisture content.
  - 1. Along direction of sheet: 17.2 MPa (2500 psi)
  - 2. Across direction of sheet: 12.8 MPa (1850 psi)
- 6. Non-Combustibility: Non-combustible when tested in accordance with ASTM E136.
- 7. Surface-Burning Capabilities (ASTM E84):
  - 1. Flame Spread: 0
  - 2. Fuel Contributed: 0
  - 3. Smoke Developed: 5
- 8. Thermal Resistance: (Approximate Values) 7.9 mm (5/16") thick, RSI = 0.026 (R = 0.15).

# 3. TRIM

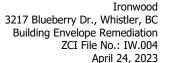
- 1. The colour of the trim will be "Iron Grey" based on James Hardie colour options. Please see the proposed colour schemes below
- 2. Thickness: <sup>3</sup>/<sub>4</sub>"; Weight: 4.45 lbs/sq. ft.; Length: 12' boards; Width: 3½" at windows and exterior doors, 5½" at inside and outside corners; Surface is Smooth. Factory (baked-on) primed and painted with ColorPlus technology.

# 4. TIMBER COLUMNS

The timbers columns will be replaced with preserved wood square columns as designed by the Structural Engineer. Timber posts will be wrapped in weather resistant barrier, pressure treated strapping and fibre-cement trim. The colour will be "Iron Grey" according to JamesHardie colour styles to match the cladding trim. Please see the proposed colour schemes below.

# 5. BALCONIES

1. All balcony assemblies will be completely replaced, including replacement of waterproofing membrane, deck boards and sheathing, guardrails, flashings,





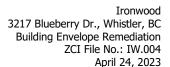
soffits and installation of new gutters and downspouts. A minimum 2% slope away from the building will be provided.

## 6. RAILINGS

- 1. The guardrails will be completely replaced with a new face-mounted system. The height of some of the guardrails has been increased to also act as privacy walls.
- 2. Guardrails and handrails will be black in colour.
- 3. New metal privacy panels with infill opaque glass will be installed on 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> levels of Units Type F, G and H. These privacy panels will be installed on the inside of the selected balconies (in between the balconies) and will be extended an additional 4 feet on top of the new balcony guardrails, that have a minimum height of 42".
- 4. New aluminum guardrails at the top of the wall at the perimeter of the parkade entrance ramp
- 5. All applicable secondary semi-structural metal fabrications and all connections will be designed and installed to withstand forces in accordance or exceeding the requirements of the current BC Building Code, Part 4 and/or or latest Building By-law of the Municipality having jurisdiction and in accordance to CSA S157-17, "Strength Design in Aluminum", CSA S157.1-17, "Commentary on CSA S157-17, Strength Design in Aluminum", and CSA W59.2-18, "Welded Aluminum Construction".
- 6. Aluminum Extrusion (Pickets and bottom channel only): 6063-T5 Alloy and Temper.
- 7. Aluminum Posts, Plates, Angles, Bars, etc.: 6061-T6 Alloy and Temper.
- 8. Glass/glazing system will be minimum 6 mm fully safety-tempered and meet the current local Building By-law and according to CAN/CGSB-12.20-M89, "Structural Design of Glass for Buildings".
- 9. Powder Coating Material (Aluminum): Polyurethane-type powder coating, gloss and as selected by the Owner and/or Consultant.
- 10. All guards and handrails must comply with Parts 3.4.6.5 and 3.4.6.6 of the current BC Building Code and/or latest Building By-law of the Municipality having jurisdiction.
- 11. Anodized Finishes in accordance with American Aluminum Manufactures Association designation system DAF-45 and AAMA 611 Voluntary Standards for Anodized Architectural aluminum (Class II Exterior application) for anodizing. AA-M-12-C22-A31 (#17-Clear).
- 12. Ungalvanized steel clips, supports and reinforcing steel will be painted with primer or bituminous paint. All components exposed to the weather shall be galvanized or stainless steel. Electric separation will be provided as appropriate.
- 13. Please see image below for example of proposed guardrails.

# 7. VINYL MEMBRANE

- 1. The vinyl membrane on the upper balconies will be a colour that matches the siding or trim. Please see the proposed colour schemes below.
- 2. Sheet vinyl membrane will conform to CAN/CGSB 37.54-95 "Polyvinyl Chloride Roofing and Waterproofing Membrane". UV resistance, heat-welded seams and perimeter attachment with an abrasion resistance of 12.6 at 5000 minimum.





3. Composition: Pre-fabricated, flexible, reinforced, polyvinyl chloride membrane.

- 4. Width: 1370mm (54").
- 5. Thickness: sixty (60) mils.
- 6. Acceptable Manufacturer: Duradek, Decking, or pre-approved equivalent.

# 8. GROUND FLOOR BALCONY DECKS

1. The ground floor balconies have pavers and cobblestones that will be cleaned and re-used.

# 9. FLASHINGS, SOFFITS, GUTTERS AND DOWNSPOUTS

- 1. Aluminum perforated soffits. The colour will be Aged Pewter James Hardie Board to compliment the new cladding.
- 2. The aluminum flashings will be 24-gauge base metal thickness, Z275 Designation Zinc Coated Steel conforming to ASTM Specification A653/A653M-17, Grade "A" with Stelco/Dofasco 5000 Series Coating. The colour will be the same as the siding.
- 3. Gutters will be pre-finished with two (2) coats as per ASTM D-1729-16, seamless one (1) piece aluminum gutters; 127 mm x 127 mm (5" x 5"), 7 mm (.027") thick. The colour will be the same as the siding.
- 4. Downspouts will be pre-finished 2" x 3" 0.025 aluminum, ten-foot (10') length machine formed, including corner straps and elbows. The colour will be the same as the siding.

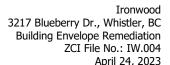
# 10. WINDOWS & DOORS

All windows and exterior doors will be replaced (excluding the front entrance door and fire rated doors) with new double-glazed vinyl framed windows, sliding doors and exterior swing doors, including the construction of adequate waterproofing details at their rough openings. The front entrance door will be retained and waterproofed at the perimeter. The fire rated doors will be removed, cleaned, sanded, primed, painted and reinstalled as per the specified waterproofing details. The colour will be the same as the siding or trim. Please see the proposed colour schemes below. The rough openings will stay the same.

The approved products for windows and doors include:

- Starline Windows 7100 Series vinyl casement/awnings/fixed windows, 8500 Series vinyl patio sliding doors and 2500 Series vinyl swing doors.
- Vinyltek Windows 6000 Series vinyl casement/awnings/fixed windows, Series 7000 vinyl patio sliding doors and Series 6300 Euro Twist swing doors.
- Euroline Windows 1800 Series casement/awnings/fixed windows, 4700
   Series fibreglass vinyl (hybrid) patio sliding and swing doors.
- Pre-approved equal by Consultant and Owner.

All fenestration products must conform to current BC Building Code Requirements, AAMA/WDMA/CSA101/I.S.2/A440.NAFS North American Fenestration Standard/Specification for windows and doors and CSA A440S1, Canadian Supplement.





All fenestration assemblies are to meet the NAFS requirements as stated in the current edition of the BC Building Code for the Resort Municipality of Whistler.

Window and Door Performance:

• Performance Class: Residential

• Performance Grade: PG40

Maximum U-Value: 0.25 BTU/F°xft²xhr

Maximum Solar Heat Gain Coefficient: 0.30

• Minimum Visible Light Transmittance: 0.5

Window and door assemblies will be designed to support dead loads and accommodate structural deflection and long-term creep movements and drift without stress on glass, buckling, failure of joint seals, undue stress on structural elements, damaging loads on fasteners, reduction of performance, or other detrimental effects caused by structural movement.

The system will be designed to provide for expansion and contraction of all component materials for the exterior surface temperature range of Whistler and a building interior surface range of +15°C to +30°C. Provide for expansion and contraction of all parts of the assembly when subjected to the maximum resultant temperature differentials between inside and outside without causing buckling, stress on glass, failure of joint seals, undue stress on structural elements, damaging loads on fasteners, reduction of performance, or other detrimental effects.

Assembly will be designed for Air Tightness, Water Tightness and Wind Load Resistance, as specified in the current edition of Resort Municipality of Whistler By-Law, BC Building Code and notes references.

Windows and doors will be designed to meet all the structural requirements BC Building

Code and to the project specific wind loading criteria. Design glass according to CAN/CBSB 12.20-M89 and British Columbia Energy Efficiency Act.

Operable windows and doors will meet or exceed the requirements for sash strength and stiffness and ease of operation when tested in accordance with CSA A440.

The windows and doors provided shall be labelled as EnergyStar Rated Windows and Doors for the appropriate for the climate of Whistler.

Window and door details will provide sub-sill drainage to provide a secondary or back-up drainage path to prevent water ingress into the wall framing below in case of leakage through their frame.

Fire rating of new windows and doors to match existing.



# 11. WINDOWS

- 1. The windows will be vinyl with black frames. The rough openings will stay the same as existing.
- 2. Windows to be heavy-duty multi-glazed vinyl windows. Operable units with locks and all other necessary hardware.
- 3. Window members shall be extruded vinyl sections. All sections shall be factory fitted, assembled, and adjusted, and conform to Canadian government specifications CSA-A440-00 and British Columbia Energy Efficiency Act.
- 4. Operable and fixed windows shall meet the requirement of CSA A440.
  - 1. Screws, miscellaneous fastenings, and internal connection components stainless steel or other corrosion-resistant material.
  - 2. Sealants as per Section 07 92 00 of Specification Joint Sealants.
  - 3. Screens required over opening of operable units. Provide screens on operable windows in accordance with CAN/CSA A440, finished to match window frame. Screens must not interfere with the operation of window hardware.
- 5. Low E coating windows shall be provided.
- 6. Window designs will provide a flange around the frame perimeter to accept an air seal membrane.
- 7. All joints, corners, miters will be machined accurately to flush hollow metal hairline joints; corner of sash and window frames to be welded for vinyl frames.
- 8. Windows will be reconfigured to ensure operable sill heights are not less than 42" from interior level levels (except for ground level units).
- 9. A restrictor will be installed on all operable windows. Restrictors will prevent the operable windows from having opening widths greater than 4".
- 10. All opening mechanisms will be easily accessible to all users and must consist of the following. Windows must have cam handles or roto handles to activate a multi-point locking mechanism.

### 12. DOORS

- 1. Patio sliding and swing doors will be vinyl with black frames. Swing doors will be retained and re-painted the same colour as the siding. The rough openings will stay the same as existing.
- 2. Glazing: Sealed units with tempered glazing.
- 3. Hardware and Fasteners: Locks will be hook type and permit adjustment of door panel. Operable panel to have tandem wheel assemblies in bottom rail. Wheel assemblies to be corrosion resistant and adjustable pulls to meet manufacturer's standard.
- 4. Screens: Sliding screens required over opening of operable leaf.
- 5. Swing doors must comply with NAFS requirements.
- 6. All sliding and swing doors will have complete hardware including handles and locking mechanism.



# 13. ELEVATOR ROOM ROOF

 The low-sloped roof assembly above the elevator machine room will be replaced, including replacement of waterproofing membranes, deck sheathing, flashings, drains, overflow scuppers, perimeter curb, gutters, and downspouts, and re-sloping as required. The visible material will be 2-ply SBS asphalt roofing membrane and the colour will match the existing asphalt on the other roofs that are remaining unchanged.

# 5. COLOUR PALETTE

The following colour palette has been selected. Please see rendering below.



Aged Pewter Cladding, Iron Grey Trim, and Black window and door frames, and railings.



Balcony Guardrail example





COLOUR PALETTE: Aged Pewter Cladding, Iron Grey Trim, and Black window and door frames, and railings.

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Prepared by:

**Zavosh Consulting Inc.** 

Per:

Guy LaFayette.
Project Consultant
(guy@zavoshconsulting.com)



# **APPENDIX "A"**

# SITE PLANS AND DRAWINGS

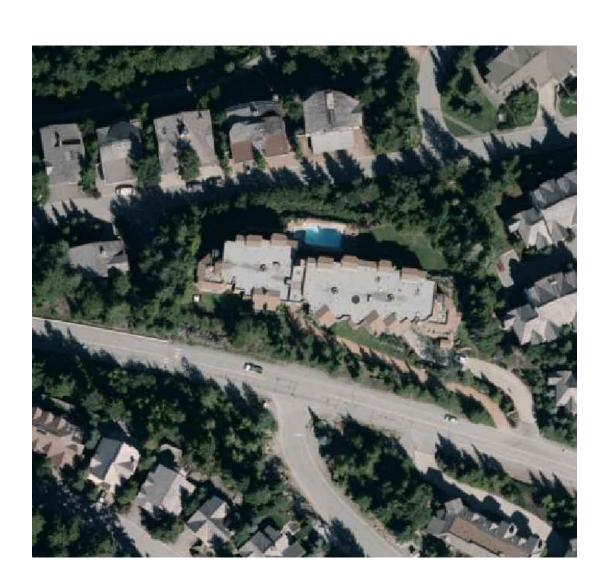
# STRATA PLAN VR 2558 THE IRONWOOD 3217 BLUEBERRY DRIVE WHISTLER, BC BUILDING ENVELOPE REMEDIATION

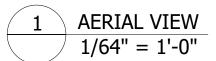
DRAWIN	NG LIST
A0.1	AERIAL VIEW AND LOT LOCATION
A0.2	SITE PLAN
A1.1	FIRST AND SECOND FLOOR PLANS
A1.2	THIRD FLOOR AND ROOF PLANS
A2.1	WEST, EAST AND END ELEVATIONS (EXISTING)
A2.2	WEST, EAST AND END ELEVATIONS (PROPOSED)
A5.1	WALL ASSEMBLY - W1
A6.1	WINDOW AND DOOR SCHEDULE I
A6.2	WINDOW AND DOOR SCHEDULE II
A6.3	WINDOW AND DOOR SCHEDULE III
A6.4	WINDOW AND DOOR SCHEDULE IV
A6.5	WINDOW AND DOOR SCHEDULE V
A6.6	WINDOW AND DOOR SCHEDULE VI
A6.7	WINDOW AND DOOR SCHEDULE VII
A6.8	WEST, EAST AND END ELEVATIONS (WINDOW & DOOR LOCATIONS)

DWG. TITLE:	SCALE: N.T.:	S. SHEET NO: A0.0	•					
SEAL:  PERMIT TO PRACTICE No. 1002686	4 3 2 1 No.	ISSUED FOR PERMIT ISSUED FOR TENDER ISSUED FOR REVIEW II ISSUED FOR REVIEW I ISSUED FOR / REVISION	NOV. 23/22 NOV. 18/22 SEP. 07/22 JULY. 08/22 DATE	TB TB	BUILDING ENVELOPE REMEDIATION  STRATA PLAN VR 2558 THE IRONWOOD 3217 BLUEBERRY DRIVE WHISTLER, BC		ZAVOSH CONSULTING INC.	ZCI FILE: IW.004.1

1. THIS DRAWING WAS PRODUCED USING THE ORIGINAL ARCHITECTURAL DRAWINGS PREPARED BY BARCLAY McLEOD ARCHITECT DATED SEPTEMBER 14, 1989.









2 LOT LOCATION 1/64" = 1'-0"



SEAL:

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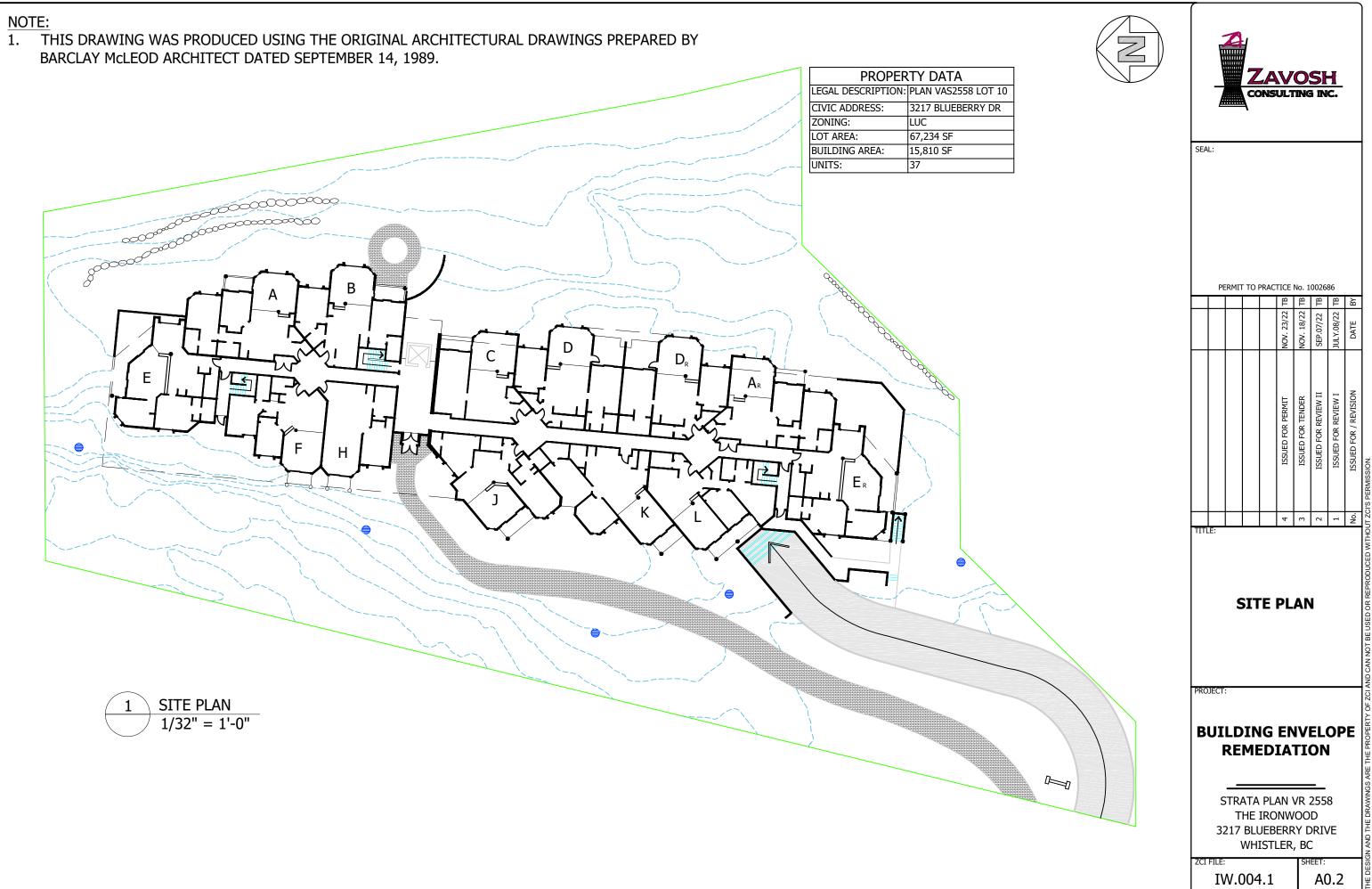
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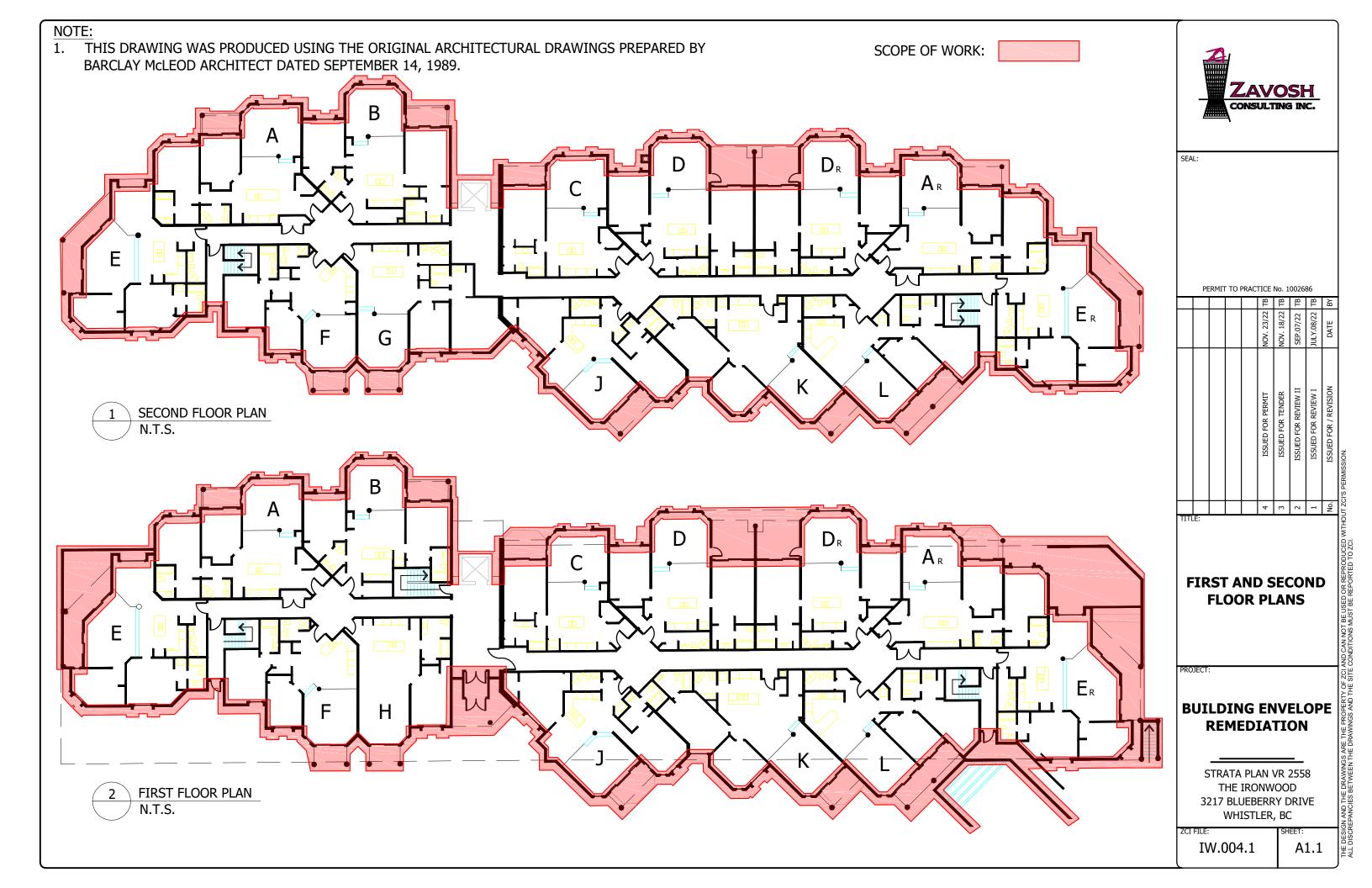
STRATA PLAN VR 2558 THE IRONWOOD 3217 BLUEBERRY DRIVE WHISTLER, BC

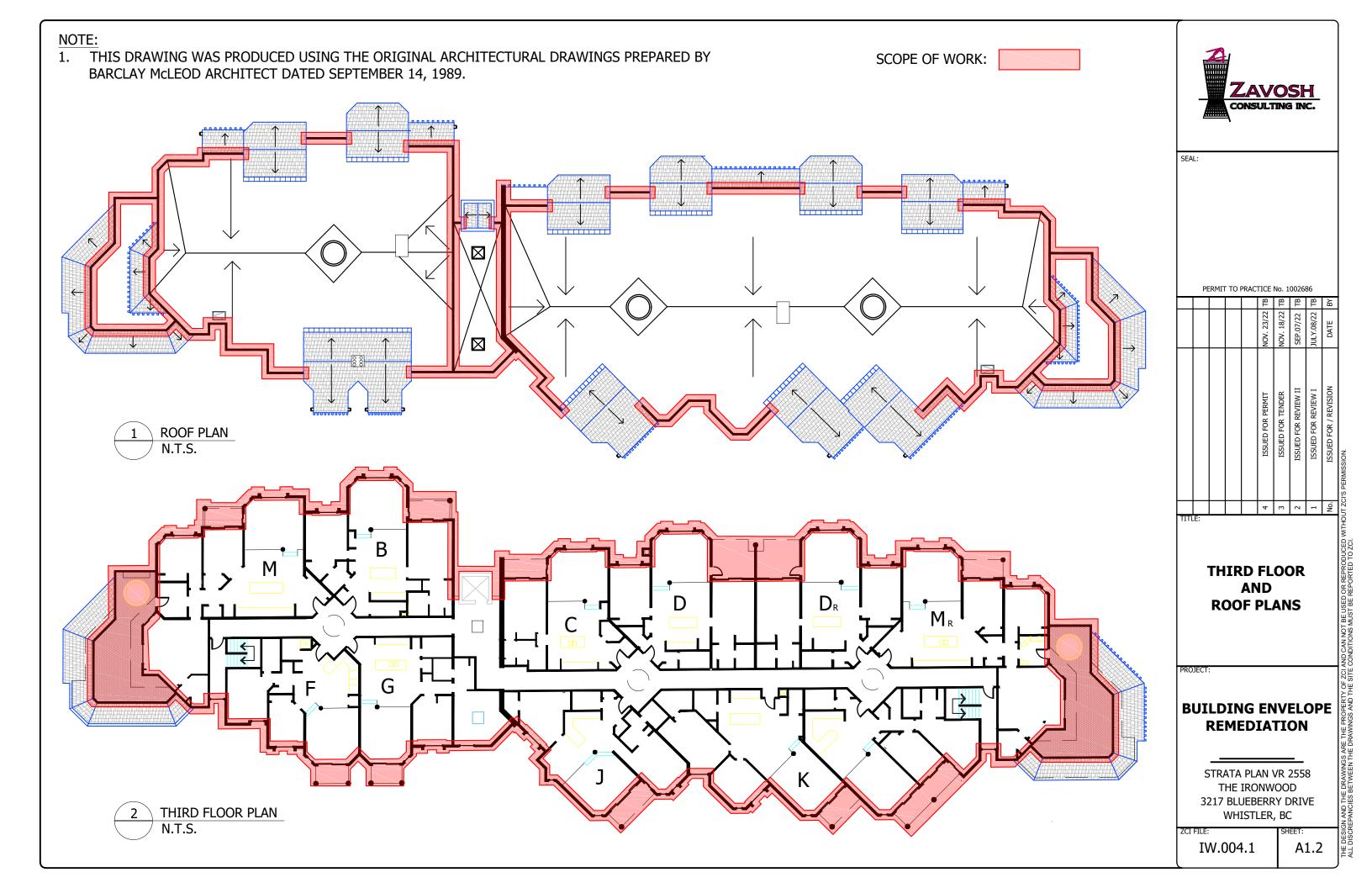
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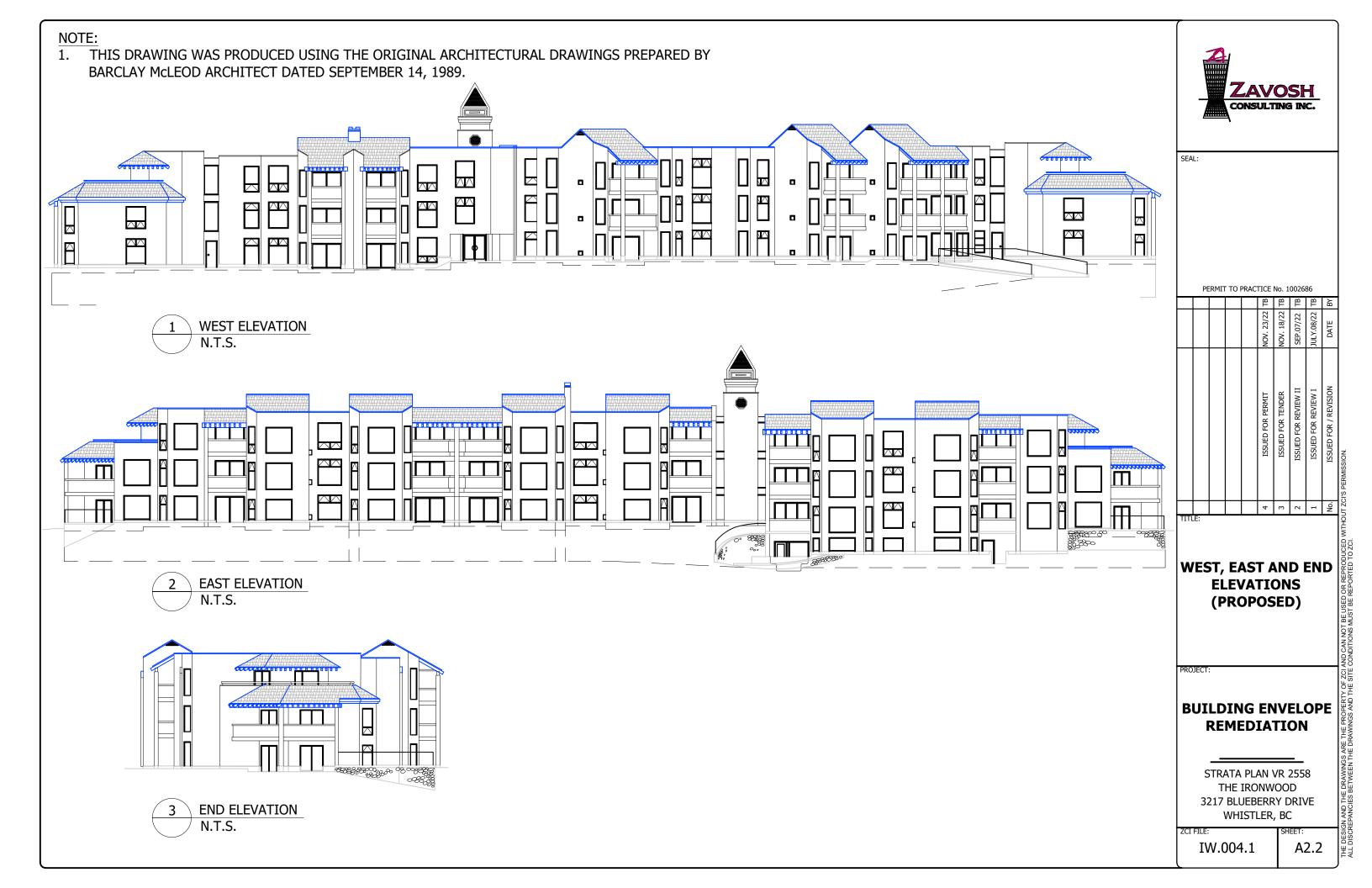


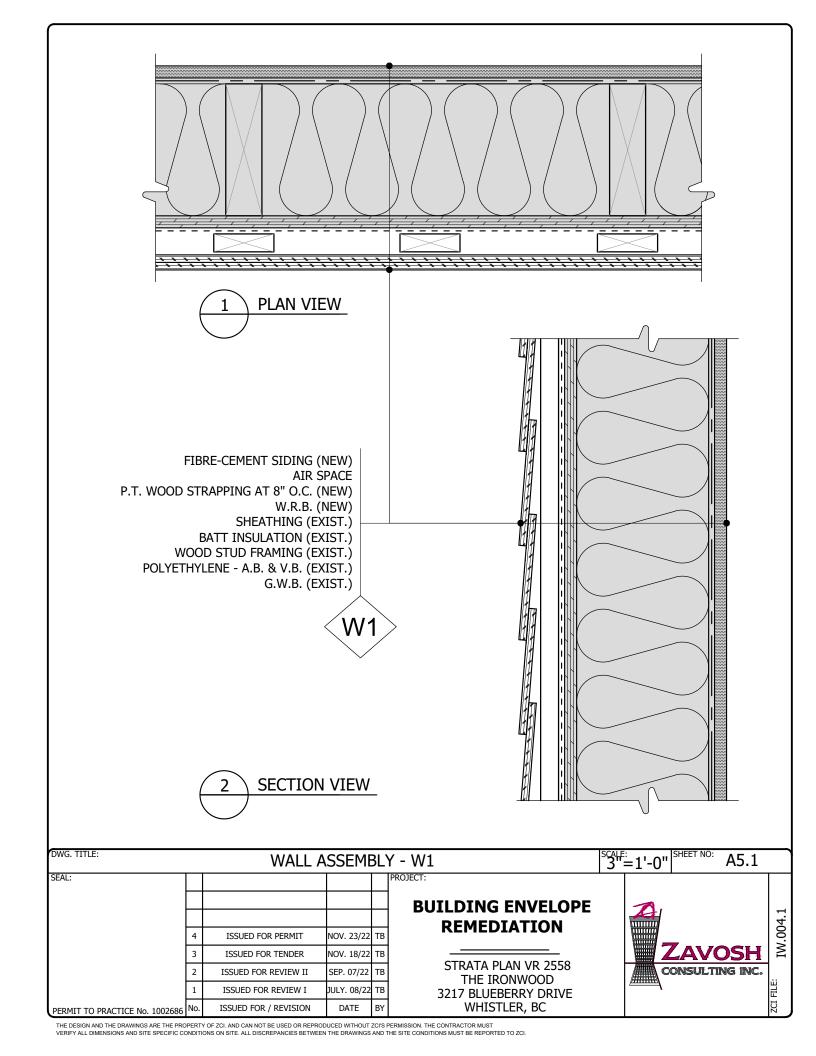


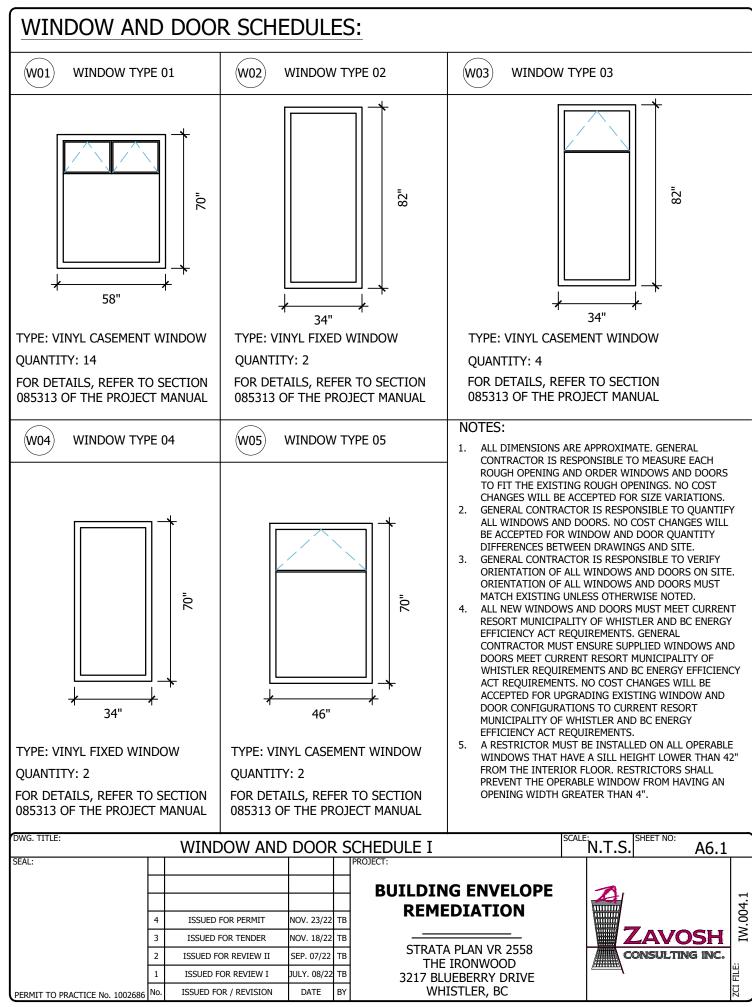




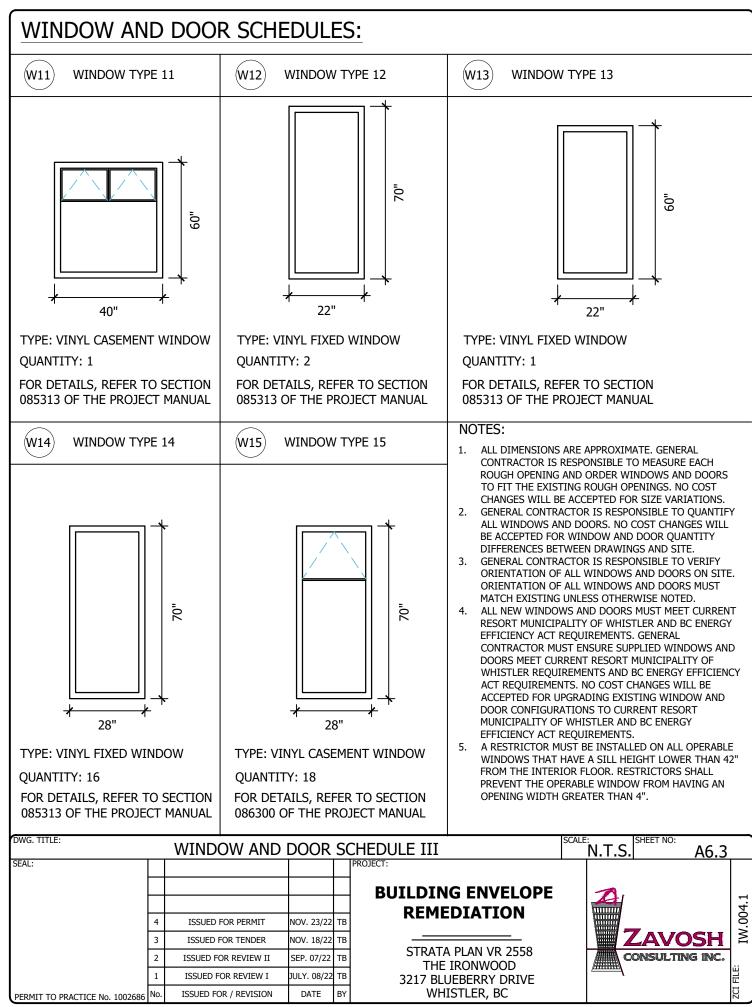
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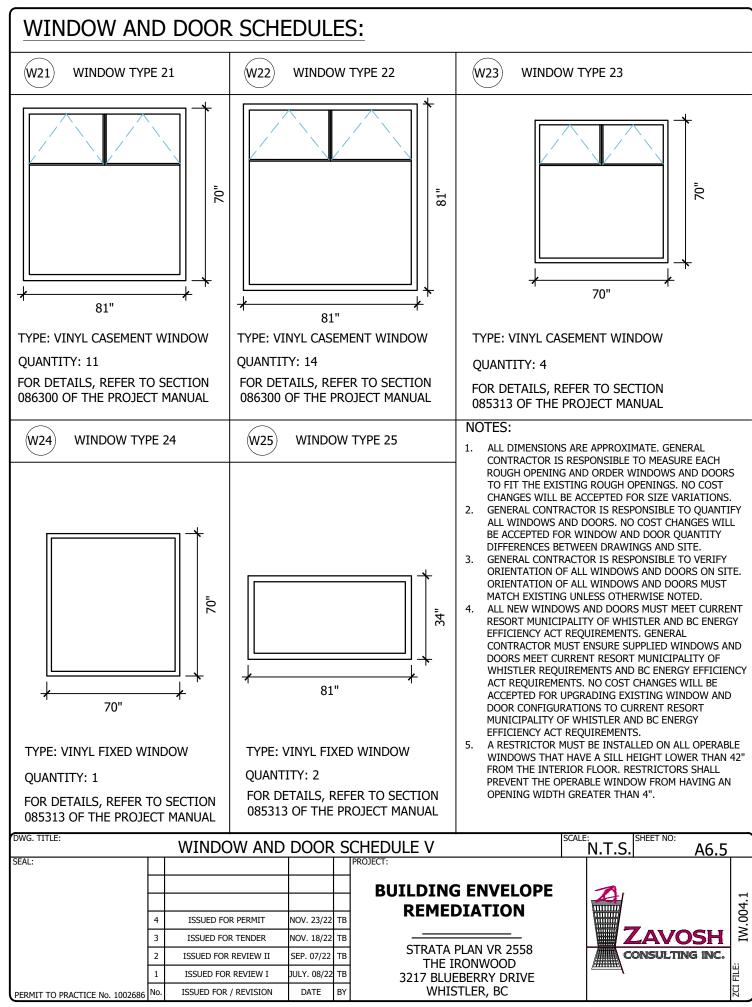


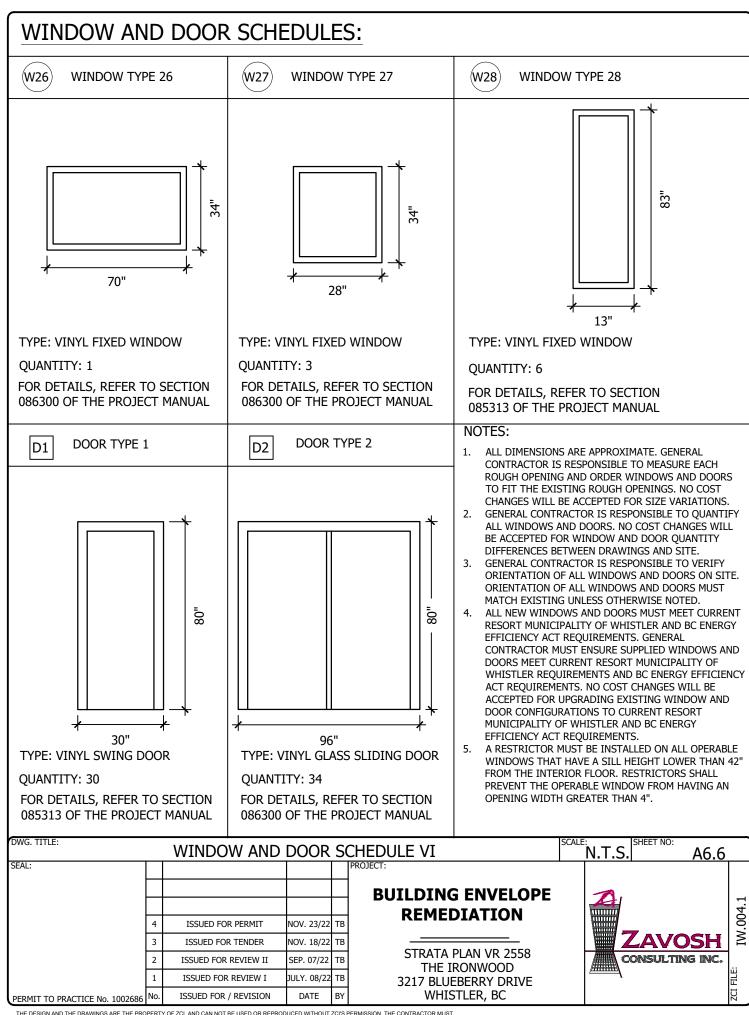


### WINDOW AND DOOR SCHEDULES: (W07 (W06) WINDOW TYPE 06 WINDOW TYPE 07 (W08) WINDOW TYPE 08 90 9 50 58" 28" 46" TYPE: VINYL CASEMENT WINDOW TYPE: VINYL CASEMENT WINDOW TYPE: VINYL FIXED WINDOW QUANTITY: 2 QUANTITY: 4 **QUANTITY: 1** FOR DETAILS, REFER TO SECTION FOR DETAILS, REFER TO SECTION FOR DETAILS, REFER TO SECTION 085313 OF THE PROJECT MANUAL 085313 OF THE PROJECT MANUAL 085313 OF THE PROJECT MANUAL NOTES: (W09 WINDOW TYPE 09 W10 WINDOW TYPE 10 ALL DIMENSIONS ARE APPROXIMATE. GENERAL CONTRACTOR IS RESPONSIBLE TO MEASURE EACH ROUGH OPENING AND ORDER WINDOWS AND DOORS TO FIT THE EXISTING ROUGH OPENINGS. NO COST CHANGES WILL BE ACCEPTED FOR SIZE VARIATIONS. GENERAL CONTRACTOR IS RESPONSIBLE TO QUANTIFY ALL WINDOWS AND DOORS. NO COST CHANGES WILL BE ACCEPTED FOR WINDOW AND DOOR QUANTITY DIFFERENCES BETWEEN DRAWINGS AND SITE. GENERAL CONTRACTOR IS RESPONSIBLE TO VERIFY ORIENTATION OF ALL WINDOWS AND DOORS ON SITE. ORIENTATION OF ALL WINDOWS AND DOORS MUST MATCH EXISTING UNLESS OTHERWISE NOTED. 2 ALL NEW WINDOWS AND DOORS MUST MEET CURRENT RESORT MUNICIPALITY OF WHISTLER AND BC ENERGY EFFICIENCY ACT REQUIREMENTS. GENERAL CONTRACTOR MUST ENSURE SUPPLIED WINDOWS AND DOORS MEET CURRENT RESORT MUNICIPALITY OF WHISTLER REQUIREMENTS AND BC ENERGY EFFICIENCY ACT REQUIREMENTS. NO COST CHANGES WILL BE ACCEPTED FOR UPGRADING EXISTING WINDOW AND DOOR CONFIGURATIONS TO CURRENT RESORT 40" 28" MUNICIPALITY OF WHISTLER AND BC ENERGY EFFICIENCY ACT REQUIREMENTS. A RESTRICTOR MUST BE INSTALLED ON ALL OPERABLE TYPE: VINYL FIXED WINDOW TYPE: VINYL CASEMENT WINDOW WINDOWS THAT HAVE A SILL HEIGHT LOWER THAN 42" FROM THE INTERIOR FLOOR. RESTRICTORS SHALL **QUANTITY: 2** QUANTITY: 2 PREVENT THE OPERABLE WINDOW FROM HAVING AN OPENING WIDTH GREATER THAN 4". FOR DETAILS, REFER TO SECTION FOR DETAILS, REFER TO SECTION 085313 OF THE PROJECT MANUAL 085313 OF THE PROJECT MANUAL DWG. TITLE: SHEET NO: WINDOW AND DOOR SCHEDULE II N.T.S A6.2 SEAL: **BUILDING ENVELOPE** 004. REMEDIATION ISSUED FOR PERMIT NOV. 23/22 3 ISSUED FOR TENDER NOV. 18/22 STRATA PLAN VR 2558 ISSUED FOR REVIEW II SEP. 07/22 THE IRONWOOD ISSUED FOR REVIEW I JULY. 08/22 3217 BLUEBERRY DRIVE ISSUED FOR / REVISION WHISTLER, BC PERMIT TO PRACTICE No. 1002686 No. DATE

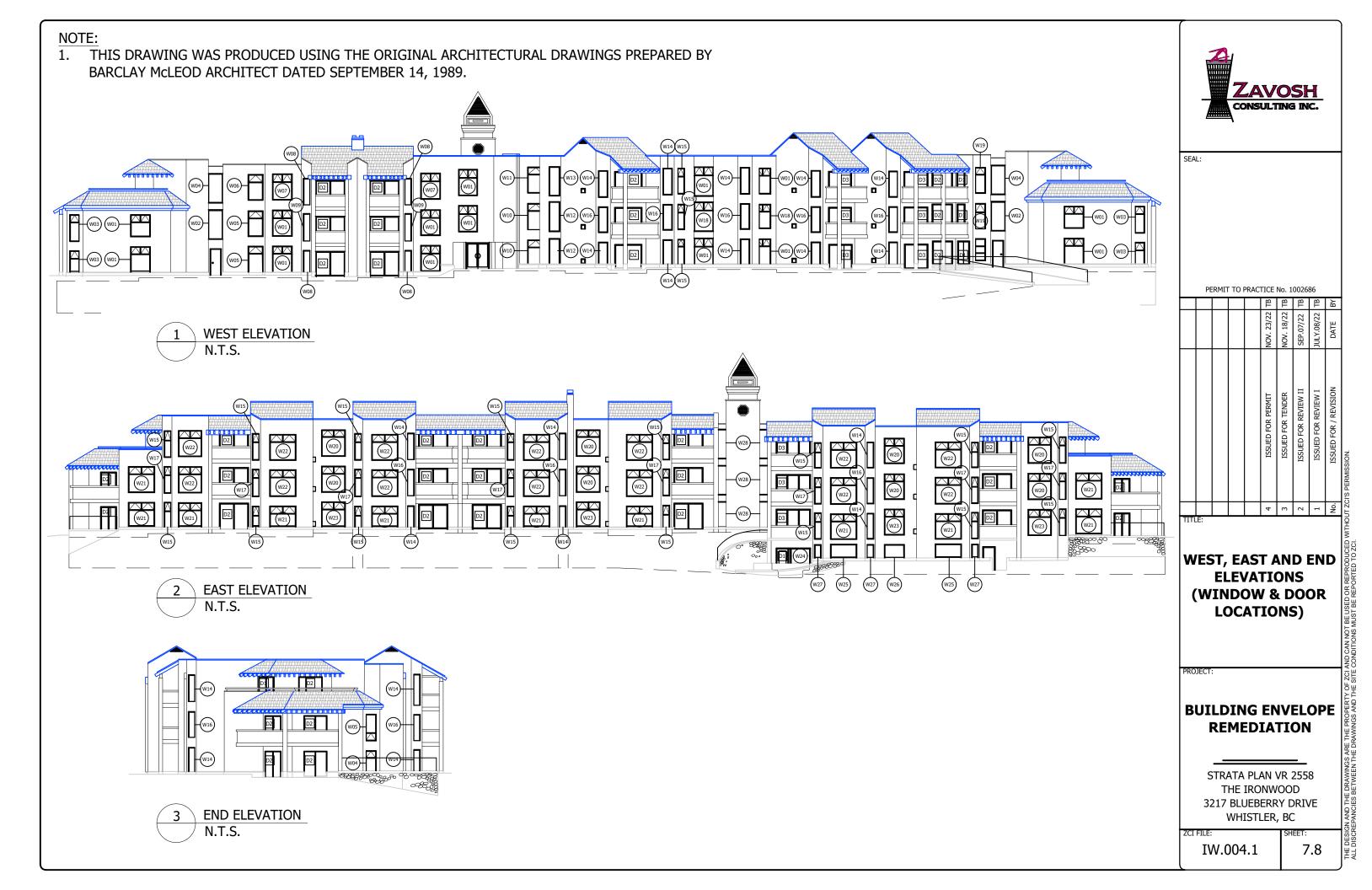


### WINDOW AND DOOR SCHEDULES: W17 (W16) WINDOW TYPE 16 WINDOW TYPE 17 W18 WINDOW TYPE 18 80" 80 58" 28" 28" TYPE: VINYL FIXED WINDOW TYPE: VINYL CASEMENT WINDOW TYPE: VINYL CASEMENT WINDOW **OUANTITY: 2 OUANTITY: 8 QUANTITY: 8** FOR DETAILS, REFER TO SECTION FOR DETAILS, REFER TO SECTION FOR DETAILS, REFER TO SECTION 085313 OF THE PROJECT MANUAL 085313 OF THE PROJECT MANUAL 085313 OF THE PROJECT MANUAL NOTES: W19 WINDOW TYPE 19 (W20) WINDOW TYPE 20 ALL DIMENSIONS ARE APPROXIMATE. GENERAL CONTRACTOR IS RESPONSIBLE TO MEASURE EACH ROUGH OPENING AND ORDER WINDOWS AND DOORS TO FIT THE EXISTING ROUGH OPENINGS. NO COST CHANGES WILL BE ACCEPTED FOR SIZE VARIATIONS. GENERAL CONTRACTOR IS RESPONSIBLE TO QUANTIFY ALL WINDOWS AND DOORS. NO COST CHANGES WILL BE ACCEPTED FOR WINDOW AND DOOR QUANTITY DIFFERENCES BETWEEN DRAWINGS AND SITE. GENERAL CONTRACTOR IS RESPONSIBLE TO VERIFY ORIENTATION OF ALL WINDOWS AND DOORS ON SITE. ORIENTATION OF ALL WINDOWS AND DOORS MUST MATCH EXISTING UNLESS OTHERWISE NOTED. 8 ALL NEW WINDOWS AND DOORS MUST MEET CURRENT RESORT MUNICIPALITY OF WHISTLER AND BC ENERGY EFFICIENCY ACT REQUIREMENTS. GENERAL CONTRACTOR MUST ENSURE SUPPLIED WINDOWS AND DOORS MEET CURRENT RESORT MUNICIPALITY OF WHISTLER REQUIREMENTS AND BC ENERGY EFFICIENCY ACT REQUIREMENTS. NO COST CHANGES WILL BE ACCEPTED FOR UPGRADING EXISTING WINDOW AND DOOR CONFIGURATIONS TO CURRENT RESORT 47" MUNICIPALITY OF WHISTLER AND BC ENERGY 70" EFFICIENCY ACT REQUIREMENTS. A RESTRICTOR MUST BE INSTALLED ON ALL OPERABLE TYPE: VINYL CASEMENT WINDOW TYPE: VINYL CASEMENT WINDOW WINDOWS THAT HAVE A SILL HEIGHT LOWER THAN 42" FROM THE INTERIOR FLOOR. RESTRICTORS SHALL QUANTITY: 2 **QUANTITY: 8** PREVENT THE OPERABLE WINDOW FROM HAVING AN OPENING WIDTH GREATER THAN 4". FOR DETAILS, REFER TO SECTION FOR DETAILS, REFER TO SECTION 086300 OF THE PROJECT MANUAL 085313 OF THE PROJECT MANUAL DWG. TITLE: SHEET NO: SCALE: WINDOW AND DOOR SCHEDULE IV N.T.S A6.4 SEAL: **BUILDING ENVELOPE** 004. **REMEDIATION** ISSUED FOR PERMIT NOV. 23/22 3 ISSUED FOR TENDER NOV. 18/22 STRATA PLAN VR 2558 ISSUED FOR REVIEW II SEP. 07/22 THE IRONWOOD ISSUED FOR REVIEW I JULY. 08/22 3217 BLUEBERRY DRIVE ISSUED FOR / REVISION WHISTLER, BC PERMIT TO PRACTICE No. 1002686 No. DATE





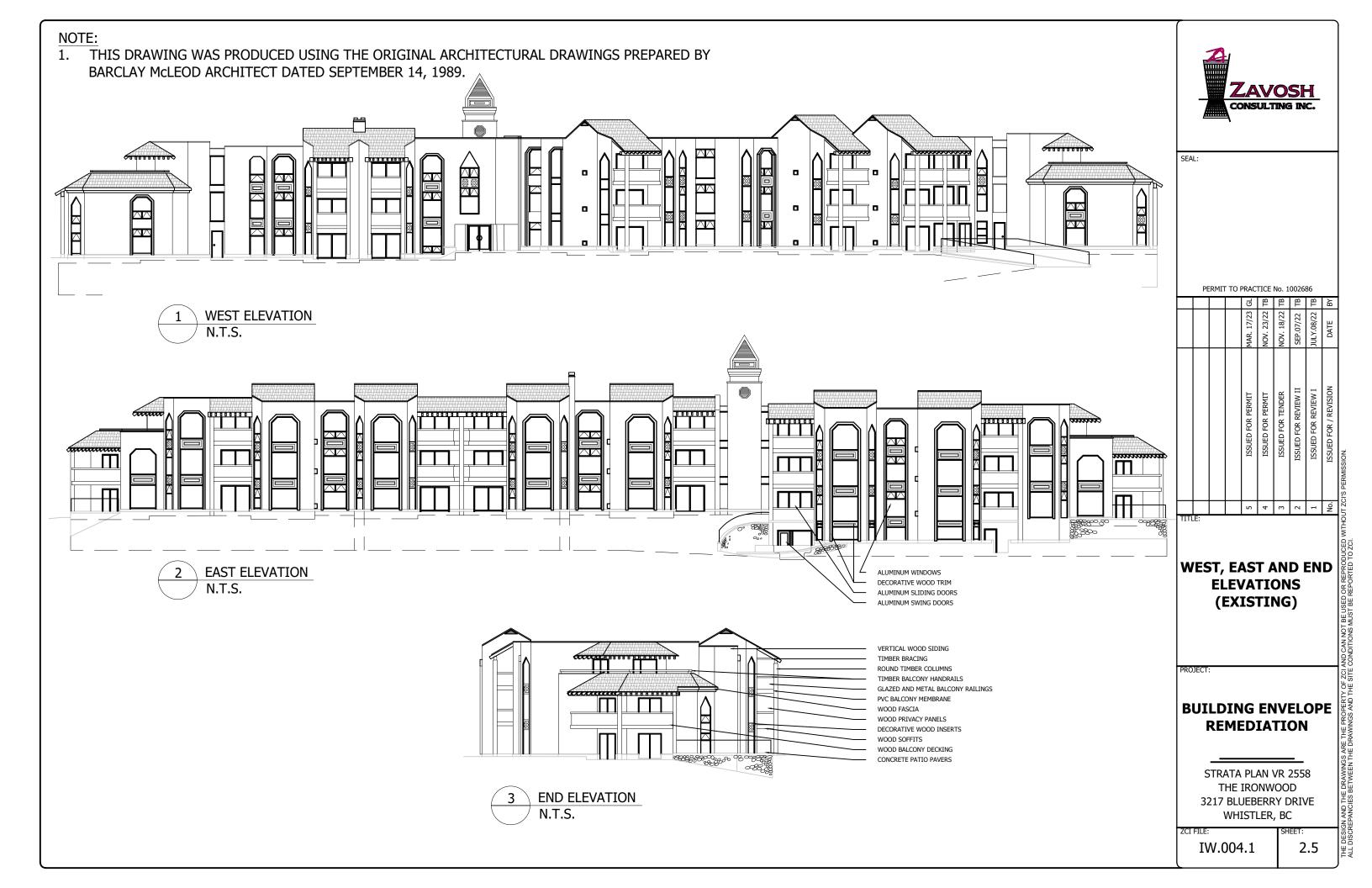
# WINDOW AND DOOR SCHEDULES: D3 DOOR TYPE 3 80 TYPE: VINYL GLASS SLIDING DOOR **QUANTITY: 12** 120" FOR DETAILS, REFER TO SECTION 085313 OF THE PROJECT MANUAL NOTES: ALL DIMENSIONS ARE APPROXIMATE. GENERAL CONTRACTOR IS RESPONSIBLE TO MEASURE EACH ROUGH OPENING AND ORDER WINDOWS AND DOORS TO FIT THE EXISTING ROUGH OPENINGS. NO COST CHANGES WILL BE ACCEPTED FOR SIZE VARIATIONS. 2. GENERAL CONTRACTOR IS RESPONSIBLE TO QUANTIFY ALL WINDOWS AND DOORS. NO COST CHANGES WILL BE ACCEPTED FOR WINDOW AND DOOR QUANTITY DIFFERENCES BETWEEN DRAWINGS AND SITE. 3. GENERAL CONTRACTOR IS RESPONSIBLE TO VERIFY ORIENTATION OF ALL WINDOWS AND DOORS ON SITE. ORIENTATION OF ALL WINDOWS AND DOORS MUST MATCH EXISTING UNLESS OTHERWISE NOTED. 4. ALL NEW WINDOWS AND DOORS MUST MEET CURRENT RESORT MUNICIPALITY OF WHISTLER AND BC ENERGY EFFICIENCY ACT REQUIREMENTS. GENERAL CONTRACTOR MUST ENSURE SUPPLIED WINDOWS AND DOORS MEET CURRENT RESORT MUNICIPALITY OF WHISTLER REQUIREMENTS AND BC ENERGY EFFICIENCY ACT REQUIREMENTS. NO COST CHANGES WILL BE ACCEPTED FOR UPGRADING EXISTING WINDOW AND DOOR CONFIGURATIONS TO CURRENT RESORT MUNICIPALITY OF WHISTLER AND BC ENERGY EFFICIENCY ACT REQUIREMENTS. A RESTRICTOR MUST BE INSTALLED ON ALL OPERABLE WINDOWS THAT HAVE A SILL HEIGHT LOWER THAN 42" FROM THE INTERIOR FLOOR. RESTRICTORS SHALL PREVENT THE OPERABLE WINDOW FROM HAVING AN OPENING WIDTH GREATER THAN 4". DWG, TITLE: SHEET NO: SCALE: WINDOW AND DOOR SCHEDULE VII N.T.S. A6.7 SEAL: **BUILDING ENVELOPE** 004. **REMEDIATION** ISSUED FOR PERMIT NOV. 23/22 AVOSH 3 ISSUED FOR TENDER NOV. 18/22 STRATA PLAN VR 2558 ISSUED FOR REVIEW II SEP. 07/22 THE IRONWOOD ISSUED FOR REVIEW I JULY. 08/22 3217 BLUEBERRY DRIVE ISSUED FOR / REVISION WHISTLER, BC PERMIT TO PRACTICE No. 1002686 No. DATE

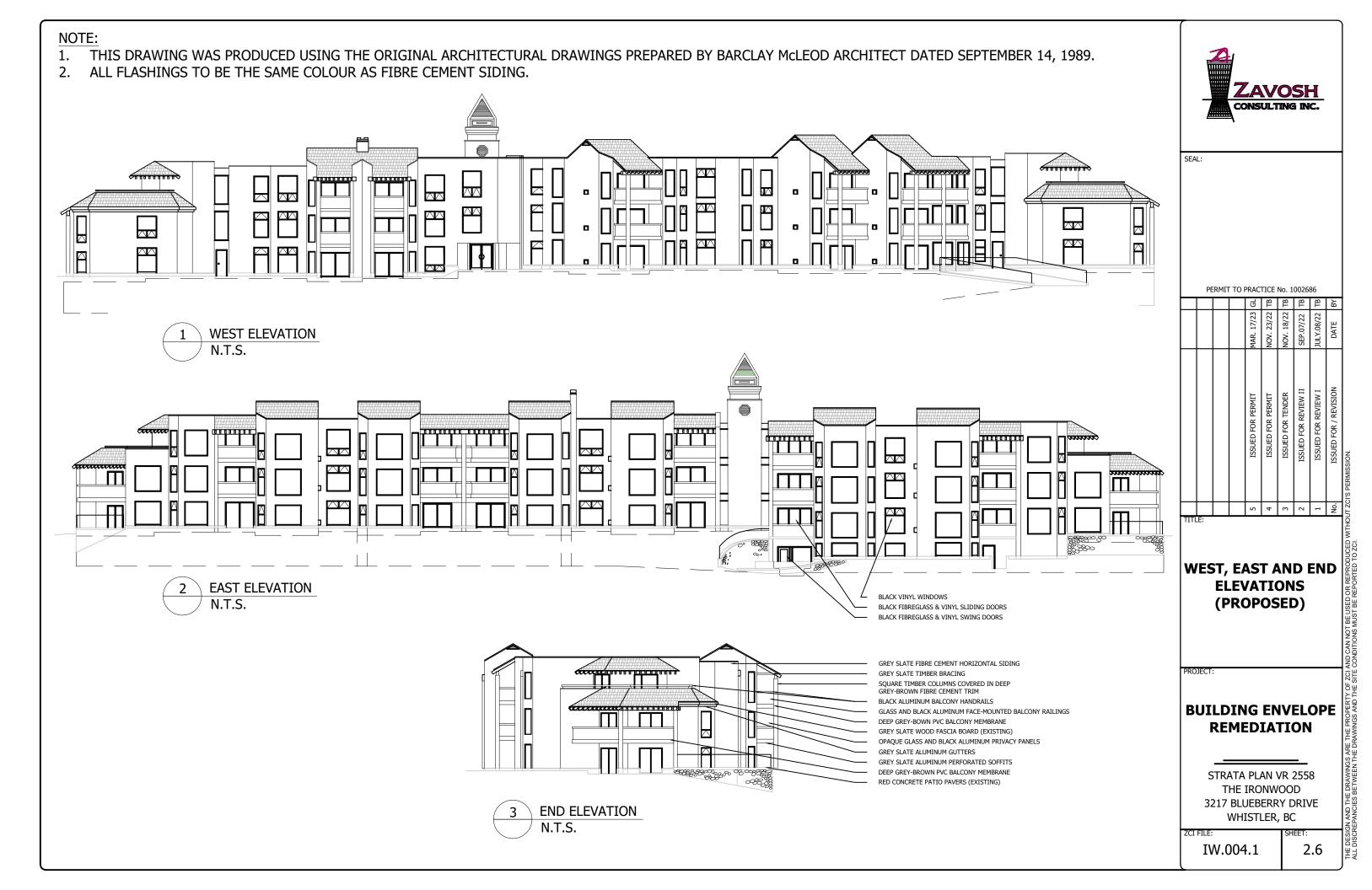


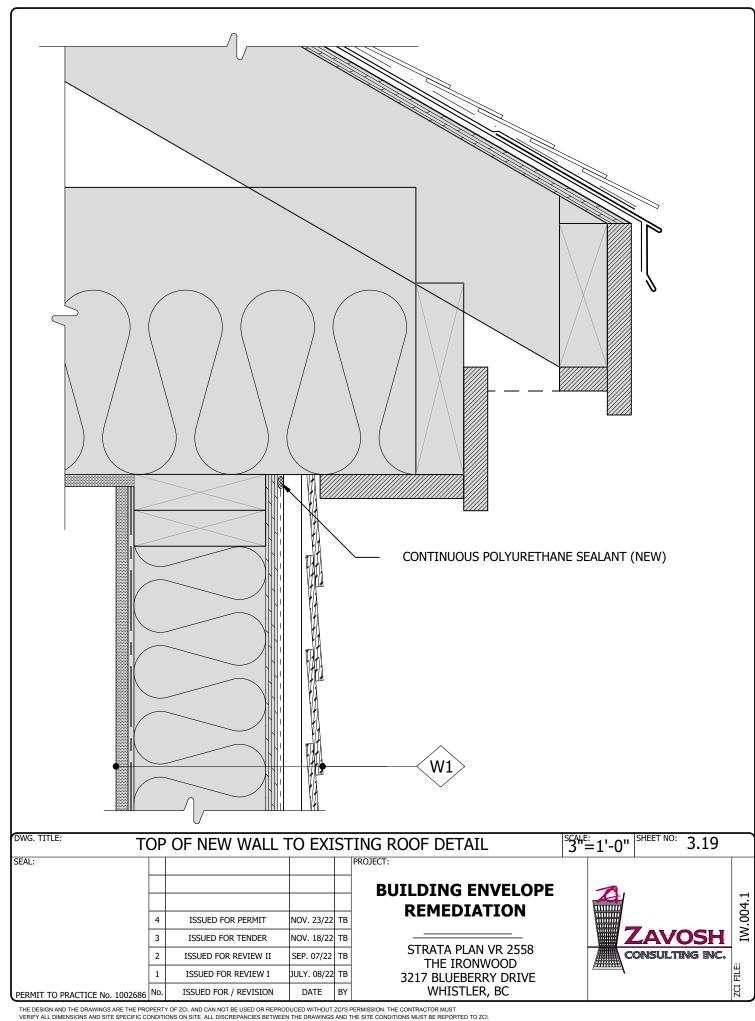
# STRATA PLAN VR 2558 THE IRONWOOD 3217 BLUEBERRY DRIVE WHISTLER, BC BUILDING ENVELOPE REMEDIATION

	GENERAL DRAWING INDEX
PAGE	CONTENT
01	2.5 WEST, EAST AND END ELEVATIONS (EXISTING)
02	2.6 WEST, EAST AND END ELEVATIONS (PROPOSED)
03	3.19 TOP OF NEW WALL TO EXISTING ROOF DETAIL
04	3.20 EDGE FLASHING AT FIBRE-CEMENT WALL
05	3.22 WALL TO SLOPED ROOF INTERFACE
06	4.1.1 WINDOW HEAD SECTION DETAIL
07	4.1.2 WINDOW JAMB PLAN DETAIL
08	4.1.3 WINDOW SILL SECTION DETAIL
09	4.3.1 TYPICAL CONCRETE UPSTAND AT WINDOW - TYPE I
10	5.1 SLIDING DOOR HEAD
11	5.2 SLIDING DOOR JAMB
12	5.4 SWING DOOR HEAD SECTION DETAIL
13	5.5 SWING DOOR JAMB PLAN DETAIL

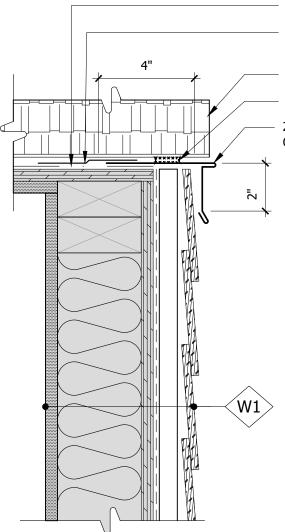
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SEAL:	5 4 3 2	ISSUED FOR PERMIT ISSUED FOR PERMIT ISSUED FOR TENDER ISSUED FOR REVIEW II ISSUED FOR REVIEW I	MAR. 17/23 NOV. 23/22 NOV. 18/22 SEP. 07/22 JULY. 08/22	GL TB TB	BUILDING ENVELOPE REMEDIATION  STRATA PLAN VR 2558 THE IRONWOOD 3217 BLUEBERRY DRIVE		ZAVOSH	I FILE: IW.004.1
PERMIT TO PRACTICE No. 1	1002686 No.	ISSUED FOR / REVISION	DATE	BY	WHISTLER, BC	1		ZCI







- 1. FOR CLARITY, THE EXISTING ROOF FRAMING IS NOT SHOWN.
- 2. FLASHINGS REQUIRE S-LOCK JOINTS ALONG THE LENGTH.
- 3. SECTIONS OF THE EXISTING ROOF SYSTEM (I.E. SHINGLES, UNDERLAYMENT) MUST BE REMOVED AND REINSTALLED TO COMPLETE THE CONSTRUCTION OF THE NEW DETAIL.



ROOF UNDERLAYMENT (NEW/EXIST.)

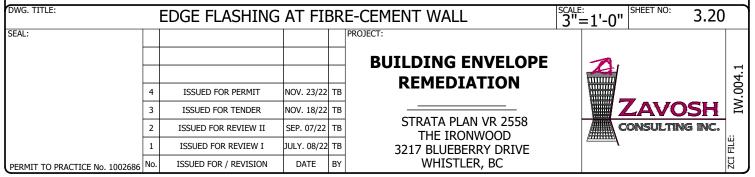
4" CONTINUOUS STRIP OF EAVE PROTECTION MEMBRANE (NEW)

ASPHALT SHINGLES (NEW/EXIST.)

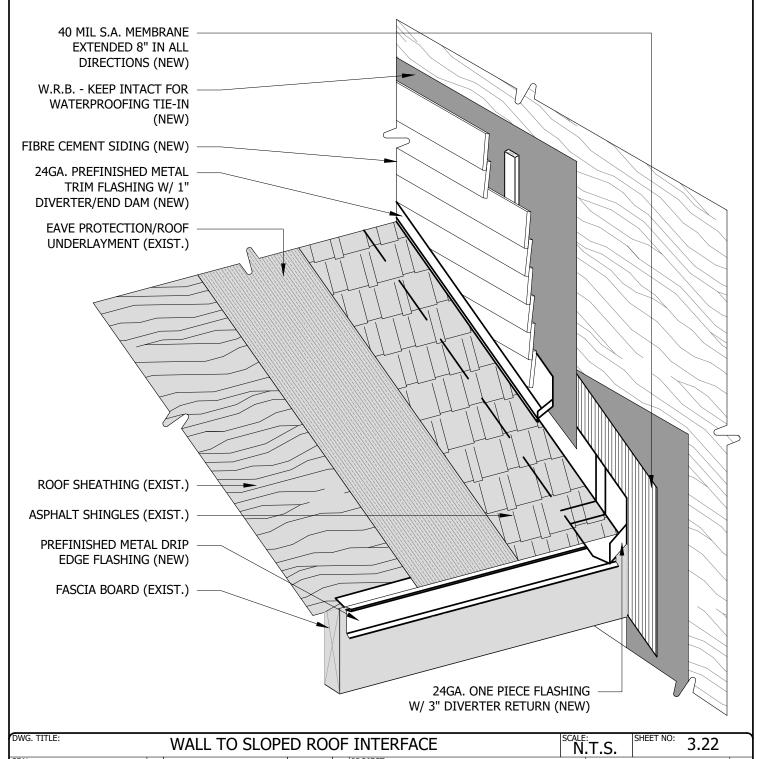
MASTIC SEALANT (NEW)

24GA. PREFINISHED METAL COUNTER FLASHING (NEW)

MOCK-UP REQUIRED



- PROVIDE A MINIMUM 1" DISTANCE BETWEEN THE GUTTER AND FINISHED SURFACE OF WALL CLADDING.
- 2. FOR DRAWING CLARITY, NOT ALL WALL AND ROOF COMPONENTS ARE SHOWN.
- SECTIONS OF THE EXISTING ROOF SYSTEM (I.E. SHINGLES, UNDERLAYMENT) MUST BE REMOVED AND REINSTALLED TO COMPLETE THE CONSTRUCTION OF THE NEW DETAIL.

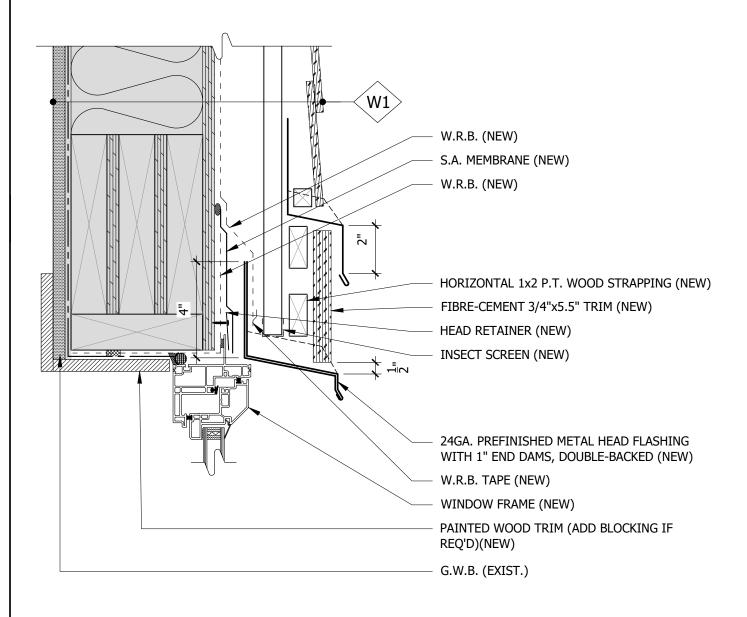


# BUILDING ENVELOPE REMEDIATION

STRATA PLAN VR 2558 THE IRONWOOD 3217 BLUEBERRY DRIVE WHISTLER, BC



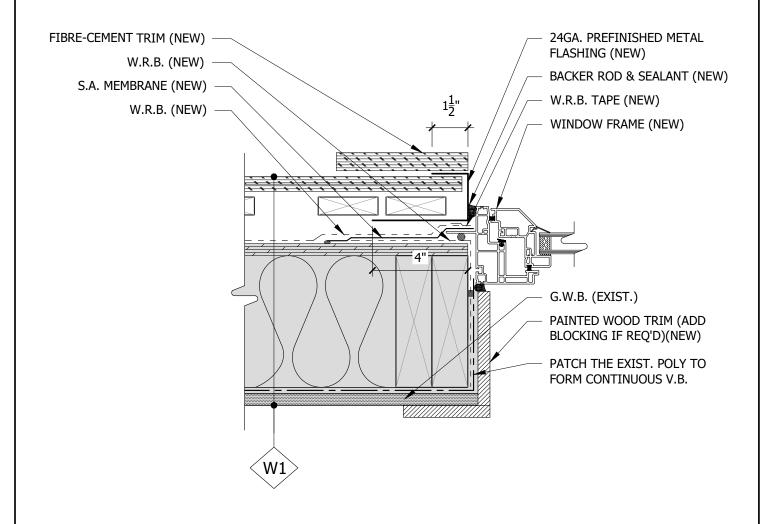
 WINDOW FRAME SHOWN MAY NOT REPRESENT THE SPECIFIED PRODUCT. IT IS SHOWN FOR APPLICATION AND SEQUENCING OF WATERPROOFING DETAILS ONLY.





DWG. TITLE:		WINDOW HEA	SCALE	=1'-0"   SHEET NO	4.1.1				
SEAL:		TOCHED FOR DEDMIT	NOV. 23/22		BUILDING ENVELOPE REMEDIATION		4		004.1
	3 2 1	ISSUED FOR PERMIT  ISSUED FOR TENDER  ISSUED FOR REVIEW II  ISSUED FOR REVIEW I	NOV. 23/22 NOV. 18/22 SEP. 07/22 JULY. 08/22	TB TB			ATTENDED A		FILE: IW.
PERMIT TO PRACTICE No. 1002	2686 No.	ISSUED FOR / REVISION	DATE	BY	WHISTLER, BC				ZCI

1. WINDOW FRAME SHOWN MAY NOT REPRESENT THE SPECIFIED PRODUCT. IT IS SHOWN FOR APPLICATION AND SEQUENCING OF WATERPROOFING DETAILS ONLY.

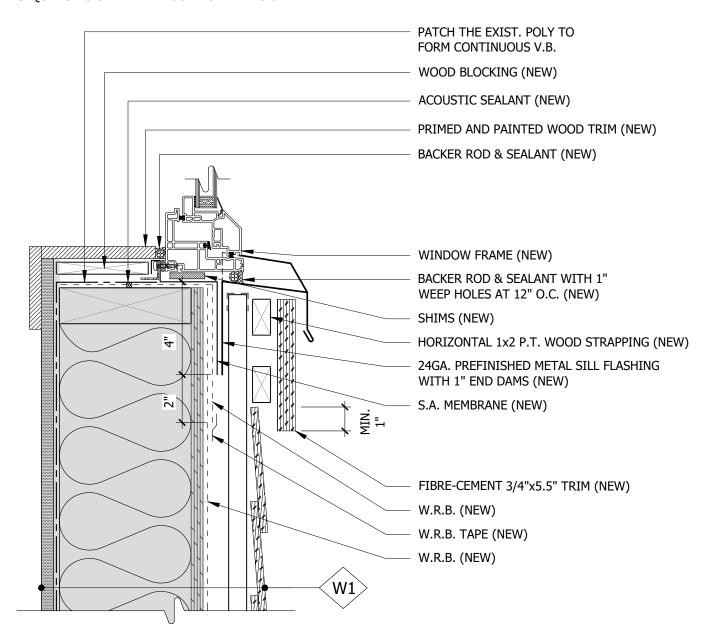




DWG. TITLE:	WINDOW JAMB PLAN DETAIL									
SEAL:	4 3 2 1	ISSUED FOR PERMIT ISSUED FOR TENDER ISSUED FOR REVIEW II ISSUED FOR REVIEW I	NOV. 23/22 NOV. 18/22 SEP. 07/22 JULY. 08/22	TB TB	 STRATA PLAN VR 2558 THE IRONWOOD 3217 BLUEBERRY DRIVE		ZAVO	<b>DSH</b> IG INC.	ZCI FILE: IW.004.1	
PERMIT TO PRACTICE No. 10026	86 No.	ISSUED FOR / REVISION	DATE	BY	WIIISTLER, DC				Ň	

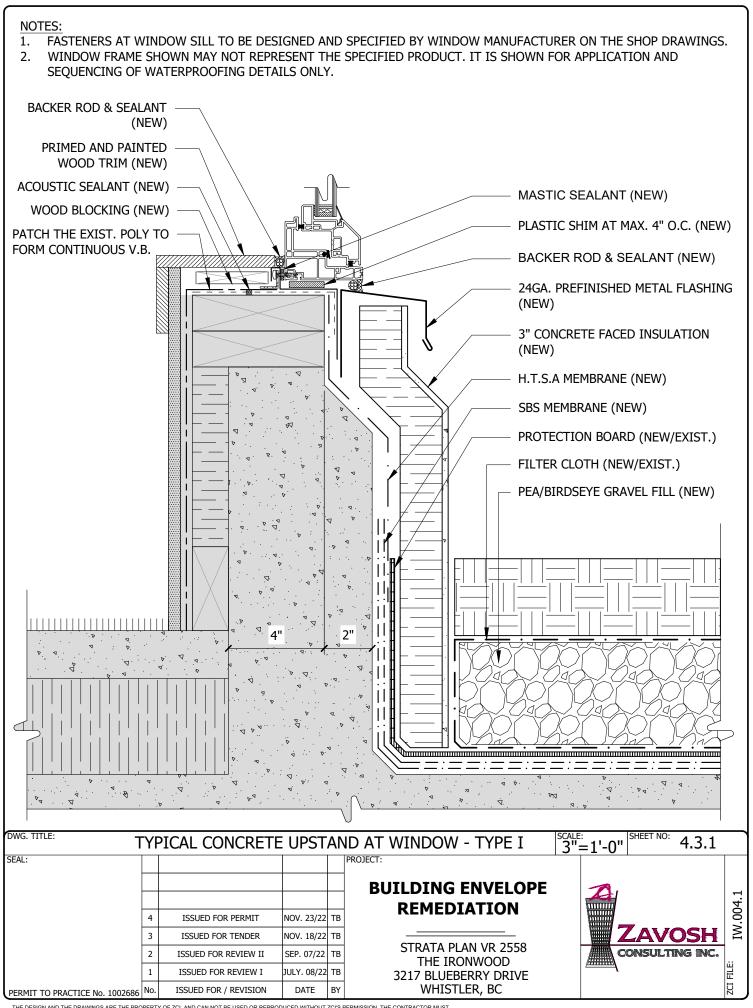


1. WINDOW FRAME SHOWN MAY NOT REPRESENT THE SPECIFIED PRODUCT. IT IS SHOWN FOR APPLICATION AND SEQUENCING OF WATERPROOFING DETAILS ONLY.

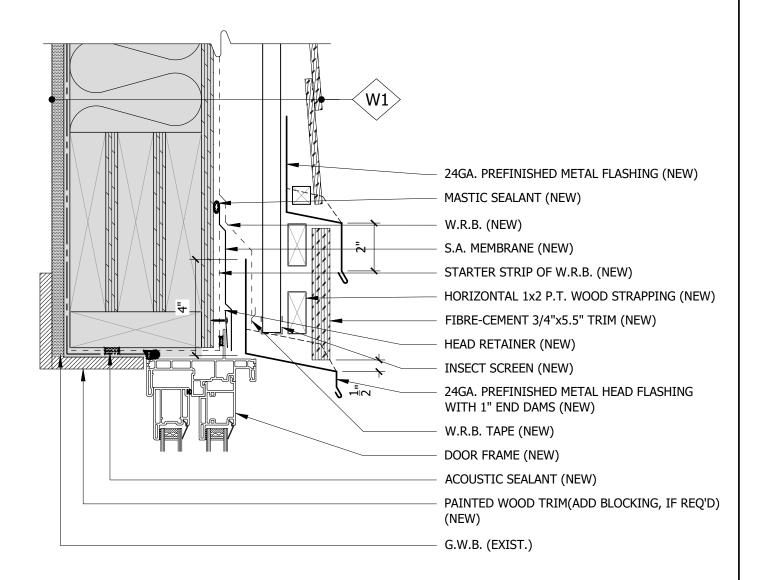


MOCK-UP REQUIRED

DWG. TITLE:		WINDOW SIL	L SECT	IC	ON DETAIL	SCALE	=1'-0"  SHEET NO	4.1.3	3
SEAL:					BUILDING ENVELOPE REMEDIATION	•			14.1
	4	ISSUED FOR PERMIT	NOV. 23/22	ТВ	REMEDIATION		<b>7</b>		۷.00
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	2	ISSUED FOR REVIEW II	SEP. 07/22	ТВ	STRATA PLAN VR 2558 THE IRONWOOD		CONSULT	TING INC.	
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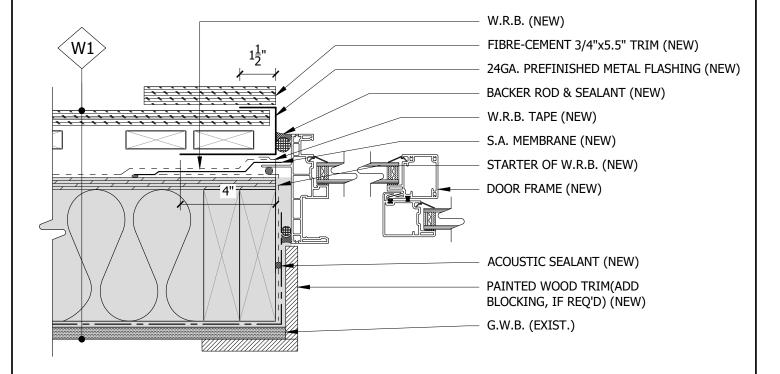
1. PATIO DOOR FRAME SHOWN MAY NOT REPRESENT THE SPECIFIED PRODUCT. IT IS SHOWN FOR APPLICATION AND SEQUENCING OF WATERPROOFING DETAILS ONLY.





DWG. TITLE:		SLIDING	DOOF	₹ I	HEAD	SCALE 3":	=1'-0"   SHEET NO:	5.1	
SEAL: PERMIT TO PRACTICE No. 1002686	4 3 2 1 No.	ISSUED FOR PERMIT ISSUED FOR TENDER ISSUED FOR REVIEW II ISSUED FOR REVIEW I ISSUED FOR / REVISION	NOV. 23/22 NOV. 18/22 SEP. 07/22 JULY. 08/22 DATE	ТВ	 STRATA PLAN VR 2558 THE IRONWOOD		ZAVO	ig inc.	ZCI FILE: IW.004.1

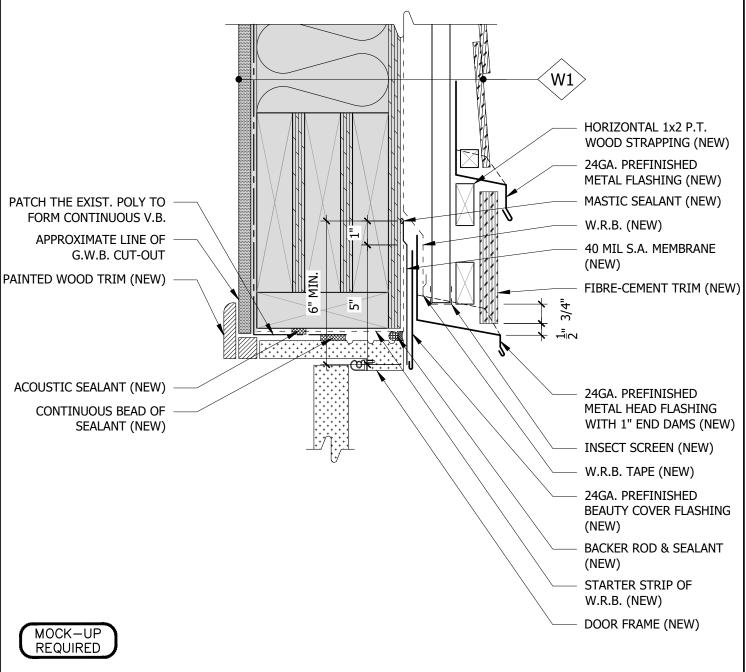
 PATIO DOOR FRAME SHOWN MAY NOT REPRESENT THE SPECIFIED PRODUCT. IT IS SHOWN FOR APPLICATION AND SEQUENCING OF WATERPROOFING DETAILS ONLY.



MOCK-UP REQUIRED

DWG. TITLE:		SLIDING	G DOOF	R J	AMB	SCALE 3":	=1'-0"   SHEET NO:	5.2	
SEAL:	4 3	ISSUED FOR PERMIT ISSUED FOR TENDER	NOV. 23/22 NOV. 18/22	ТВ	BUILDING ENVELOPE REMEDIATION STRATA PLAN VR 2558	<u> </u>	ZAVO		IW.004.1
	1	ISSUED FOR REVIEW II ISSUED FOR REVIEW I	SEP. 07/22 JULY. 08/22		THE IRONWOOD 3217 BLUEBERRY DRIVE		CONSULTIN		FILE:
PERMIT TO PRACTICE No. 10	02686 No.	ISSUED FOR / REVISION	DATE	BY	WHISTLER, BC				I)Z

- 1. FASTENERS AT SWING DOOR HEAD TO BE DESIGNED AND SPECIFIED BY DOOR MANUFACTURER.
- 2. DOOR MUST OPEN WITHOUT HITTING HEAD FLASHING.
- SWING DOOR FRAME SHOWN MAY NOT REPRESENT THE SPECIFIED PRODUCT. IT IS SHOWN FOR APPLICATION AND SEQUENCING OF WATERPROOFING DETAILS ONLY.



DWG. TITLE: SHEET NO: SWING DOOR HEAD SECTION DETAIL 3"=1'-0" 5.4 PROJECT: SEAL: **BUILDING ENVELOPE** .004.1 **REMEDIATION** ISSUED FOR PERMIT NOV. 23/22 3 ISSUED FOR TENDER NOV. 18/22 STRATA PLAN VR 2558 ISSUED FOR REVIEW II SEP. 07/22 THE IRONWOOD FILE ISSUED FOR REVIEW I JULY. 08/22 3217 BLUEBERRY DRIVE ISSUED FOR / REVISION WHISTLER, BC PERMIT TO PRACTICE No. 1002686 No. DATE THE DESIGN AND THE DRAWINGS ARE THE PROPERTY OF ZCI. AND CAN NOT BE USED OR REPRODUCED WITHOUT ZCIS PERMISSION. THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND SITE SPECIFIC CONDITIONS ON SITE. ALL DISCREPANCIES BETWEEN THE DRAWINGS AND THE SITE CONDITIONS MUST BE REPORTED TO ZCI.

- 1. FASTENERS AT SWING DOOR JAMB TO BE DESIGNED AND SPECIFIED BY DOOR MANUFACTURER.
- 2. SWING DOOR FRAME SHOWN MAY NOT REPRESENT THE SPECIFIED PRODUCT. IT IS SHOWN FOR APPLICATION AND SEQUENCING OF WATERPROOFING DETAILS ONLY.

