June 21, 2023 FOI No: 2023-38



Pick up of reply to be scheduled

Dear Redacted S. 22

Re: Request for Records

Freedom of Information and Protection of Privacy Act

The City of White Rock has reviewed your request for access to the following records pursuant to the Freedom of Information and Protection of Privacy Act (the "Act"):

Building Permits Issued from 2012 to 2016 for 14423 Blackburn Crescent

Access to these records is available. However, some of the information in the records is excepted from the disclosure requirements of the Act. I have severed the excepted information so that I could disclose to you the remaining information as attached.

The severed information is excepted from disclosure under sections 15 and 22 of the Act. Severing under section 15 is necessary to protect security of any property or system, including a building and section 22 is necessary to avoid disclosing third-party personal information without permission.

Please contact our office if you have any questions or concerns.

Sincerely,

Tracey Arthur

Director of Corporate Administration

Att.

Corporate Administration

P: 604.541.2212 | F: 604.541.9348



FOI 2023-38 Page 2

If you believe that the City of White Rock has been unreasonable in its handling of your request, you may ask the Information and Privacy Commissioner to review our response. You have 30 days from receipt of this notice to request a review by writing to:

Office of the Information and Privacy Commissioner 3rd Floor, 756 Fort Street Victoria BC V8W 1H2

Should you decide to request a review, please provide the Commissioner's office with:

- 1. your name, address and telephone number;
- 2. a copy of this letter;
- 3. a copy of your original request sent to the City of White Rock; and
- 4. the reasons or grounds upon which you are requesting the review.

BUILDING PERMIT

JUN 1 7 2013 DATE OF ISSUANCE:

BUILDING PERMIT No: 13-036

ROLL No:

882.000

PROJECT ADDRESS:

14423 Blackburn Crescent

LEGAL DESCRIPTION:

Lot 18, Sec 10, TP1, NWD, Plan 13899

ZONE:

RS-1

OCCUPANCY:

Residential

REGISTERED SUITE:

NO

DESCRIPTION OF PROJECT:

SFD

OWNER:

OWNER'S ADDRESS:

AUTHORIZED AGENT:

BUILDER:

ARCHITECT ON RECORD: ENGINEER ON RECORD:

Alex Song (7/78) 859-5015

Ruilida Construction Ltd. (Alex Song)

D.S. Sidhu (Stract./Geolech)/M.Elmi (Schedule A & BEP)

Owner or Authorized Agen

Building Official

B.C.B.C. 1.1.2.4 Responsibility of Owner

1) Neither the granting of a building permit nor the approval of the relevant drawings and specifications nor inspections made by the Authority Having Jurisdiction shall in any way relieve the owner of such building from till responsibility for carrying out the work or having the work carried out in full accordance with the requirements of the British Columbia Building Code.

INSPECTION INFORMATION

MAX. PERMITTED		n (HOUSE) n (GARAGE)	ANGLE OF CO		N/A :
ACTUAL HEIGHT:			• •		•
BOARD OF VARIA	NCE APPROVED:		YES 🗆	NO ✓	
TREE PROTECTION	N AREA:		YES 🗆	NO 🗸	
STRUCTURAL ENG	SINEER ON PROJE	CT:	YES ✓	NO □	
GEOTECHNICAL E	NGINEER ON PRO	JECT:	YES ✓	NO □	
FORM SURVEY PL	AN RECEIVED:		YES 🗆	NO 🗆	
REGISTERED SUIT	E APPROVED:		YES 🗆	NO □	
Project Value:	Permit Fee	Microfiche Fee:	Inspection Fee:	Building Siz	e: Total:
\$693,940	\$5,900.00	\$50.00	-		\$5,950.00
REMARKS:					
- All constru	ction to comply w	ith the 2012 BC B	uilding Code		
- Schedule C	C-A required at fina	al.		•	
	<u> </u>			•	
		,			
OCCUPANCY / FIN	AL GRANTED:			···· Date	9 :



PLANNING AND DEVELOPMENT SERVICES 15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

Inspection Report

City Hall,

White Rock, B.C.

Tel: 604-541-2136 Fax: 604-541-2153

ADDRESS: 14423 RIALKOVEN CAS TYPE OF INSPECTION: TINAL AREA OF INSPECTION:	PERMIT No.:13.034 SHEET No: DATE:
THE TOTAL CONTROL CONT	
Building Occupancy +	7 inal
Appre	
SIGNATURE: INSPE	CTOR:
DATE:	

Best West Engineers Ltd.

Building Envelope & Structural Engineering Services



August 20, 2014 City of White Rock Attn:Building Inspector

PROJECT: SINGLE FAMILY DWELLING AT 14423 BLACKBURN CRESCENT,

WHITE ROCK, BC

RE: SOUTH BALCONY FIELD REVIEW

Dear Mr. Guy Gareau

Building Official,

I had a site visit on Friday August 24, 2014, to review the leak from the South balcony.

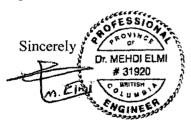
I asked the builder to remove the tile and investigate the source of the leak between the flashing and fascia board.



The builder confirms redoing the torch on and re-sealing all 4 sides of the deck's tile flooring.

Regarding this repair, a similar leak is not expected anymore.

We trust this letter provides you with the required information. If you have any question, please do not hesitate to contact us.



Mehdi Elmi, PhD, P.Eng

Best West Engineers Ltd.



PLANNING AND DEVELOPMENT SERVICES 15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

Inspection Report

City Hall, 😘 White Rock, B.C.

Tel: 604-541-2136 Fax: 604-541-2153

NAME:	Redacted 5. 22	PERMIT No.: 13.036
ADDRESS:	14423 BkdCburn	SHEET No:
TYPE OF IN	ISPECTION: 7ix	DATE: HYPORO / IC
AREA OF IN	ISPECTION:	<u> </u>
	1) Frulpe Engineer to	Avin + Approve aprin
	· /	
		\mathcal{L}
SIGNATURE	E- IN	SPECTOR:
	E: IN	ISFECTION.
	this form when the work is completed and return	to the above department.



Redacted S. 22

Fwd: 14423 Blackburn Crescent, Whit Rock, Bc

2 messages

Alex <alexsong1212@gmail.com>

Wed, Aug 20, 2014 at 7:42 AM

Sent from my iPhone

Begin forwarded message:

From: Mehdi Elmi Recorded S. 22

Date: August 19, 2014 at 10:01:40 PM PDT

To: "Ggareau@whiterockcity.ca" <Ggareau@whiterockcity.ca>

Cc: 'Redacted S. 22 ALEX SONG DEVELOPER <alexsong2012@gmail.com>

Subject: 14423 Blackburn Crescent, Whit Rock, Bc

Dear Mr. Guy Gareau Building Official,

I had a site visit on Friday August 15, 2014, to review the leak from the South balcony.

I asked the builder to remove the tile and investigate the source of the leak between the flashing and fascia board.



The builder confirms redoing the torch on and re-sealing all 4 sides of the deck's tile flooring. Regarding this repair, a similar leak is not expected anymore.

We trust this letter provides you with the required information. If you have any question, please do not hesitate to contact us.

Sincerely,

Mehdi Elmi, PhD, P.Eng

Best West Engineers Ltd. 211-3030 Lincoln Ave Coquitlam, BC, V3K 6P6 Tel: 604.468.7304

Email: info@bwengs.com
Web: http://www.bwengs.com/



PLANNING AND DEVELOPMENT SERVICES 15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

Inspection Report

City Hall,

White Rock, B.C.

Tel: 604-541-2136 Fax: 604-541-2153

NAME: _	Redacted S. 22	PERMIT No.: 13.036
ADDRESS	: 14423 Blackburn Cras	SHEET No:
	INSPECTION: Final	DATE: Aug 15/18
AREA OF	INSPECTION:	
	1) Finished flooring a ros	st dull landing
	1, 1	
-	2) Envilopa Enginer to h	on duk ligh at front
	doc assist.	THE DIRECT PARTY (1001)
		•
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	·	
		·
SIGNATUI	RE: IN	ISPECTOR:
DATE:		
Please sig	gn this form when the work is completed and return	to the above department.

BEST WEST ENGINEERS LTd.

Building Envelope, Geotechnical & Structural Engineering Services

Field Review Report

ADDRESS: 14423 Blackburn Cresc, white Rock DATE: August 12,2014

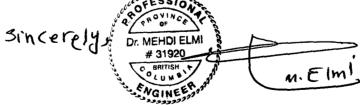
As Requested, we made a site visit on August the 6th and 12th of 2014 to review The water stain on the fascial board of the south balcony.

we checked all details and asked the builder to remove the soffit. No signs of the stain or water ingress were noticed.

of the overflow, during the construction.

We confirm there is no water ingress from the deck Surface and current drain is functional.

we trust this letter Provides you with the required information. If you have any question, Please do not hesitate to contact us.



Mehdi Elmi, PhD, PEna Best West Engineers Ltd.

SCHEDULE C-A

Forming Part of Subsection 2.2.7, Division C of the British Columbia Building Code Building Permit No. (for authority having jurisdiction's use)

ASSURANCE OF COORDINATION OF PROFESSIONAL FIELD REVIEW

Notes:

- (i) This letter must be submitted after completion of the project but before the occupancy permit is issued,
- or a final inspection is made, by the authority having jurisdiction.
- (ii) This letter is endorsed by: Architectural Institute of BC, Association of Professional Engineers and
- Geoscientists of BC, Building Officials' Association of BC, and Union of BC Municipalities.
- (iii) In this letter the words in italics have the same meaning as in the British Columbia Building Code.

To: The authority having jurisdiction CITY OF WHITE ROCK	Coccece
Name of Jurisdiction (Print)	COFESSIONS
Re: SINGLE FAMILY DWELLING	W S COVING AS
Name of Project (Print) 14423 BLACKBURN CRESCENT, WHITE ROCK, BC	Dr. M. ELIMI # 31920
Address of Project (Print)	Dr. M. ELMI # 31920
Legal Description of Project (Print)	#3(320 CME)
(The coordinating registered professional shall complete the following:) MEHDI ELMI, PhD, P.ENG	S CUMB!
Name (Print) 211-3030 LINCOLN AVENUE, COQUITLAM, BC, V3B 6B4 Address (Print) sc	(Professional Seal and Ignature)
	AUGUST 16, 2014
WORK: 604-468-7304 CELL: 604-767-2991	Date
Phone No. I hereby give assurance that	
(a) I have fulfilled my obligations for coordination of field review of the project as outlined in Subsection 2.2.7, Division C of the Br previously submitted Schedule A, "CONFIRMATION OF COM COORDINATING REGISTERED PROFESSIONAL,"	itish Colúmbia Building Code and in the MITMENT BY OWNER AND BY
(b) I have coordinated the functional testing of the fire protection a they substantially comply in all material respects with	
(i) the applicable requirements of the BC Building Code and safety, not including construction safety aspects, and	, ,
(ii) the plans and supporting documents submitted in support (c) I am a registered professional as defined in the British Columb	of the application for the building permit, oia Building Code.
(If the registered professional is a member of a firm, complete the following:)	
I am a member of the firm BEST-WEST ENGINEERS LTD.	
and I sign this letter on behalf of the firm. (Print name of firm)	
Note: The above letter must be signed by a coordinating registered profession	onal, who is also a registered

professional. The British Columbia Building Code defines a registered professional to mean

- (a) a person who is registered or licensed to practise as an architect under the Architects Act, or
- (b) a person who is registered or licensed to practise as a professional engineer under the Engineers and Geoscientists Act.

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 CRP's Initials

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SCHEDULE C-B

Forming Part of Subsection 2.2.7, Division C of the British Columbia Building Code

Building Permit No. (for authority having jurisdiction's use)

ASSURANCE OF PROFESSIONAL FIELD REVIEW AND COMPLIANCE

Notes:

- (i) This letter must be submitted after completion of the project but prior to final inspection by the authority having jurisdiction. A separate letter must be submitted by each registered professional of record.
 (ii) This letter is endorsed by: Architectural Institute of B.C., Association of Professional Engineers and Geoscientists of B.C., Building Officials' Association of B.C., and Union of B.C. Municipalities.
 (iii) In this letter the words in italics have the same meaning as in the British Columbia Building Code.

To: The authority having jurisdiction	Dr. M. ELMI
CITY OF WHITE ROCK	accer-
Name of Jurisdiction (Print)	COLESSION
Re: ARCHITECTURAL(BUILDING ENVELOPE)	OFESTIONS
Discipline (e.g. Architectural, etc.) (Print)	A SOVINC AS
SINGLE FAMILY DWELLING	Pr OF ENTE
Name of Project (Print)	
14423 BLACKBURN CRESCENT, WHITE ROCK, BC	Dr. M. ELMI
Address of Project (Print)	#31920 MEAN
(Each registered professional of record shall complete the following:) MEHDI ELMI, PhD, P.ENG	BRITISH
Name (Print)	an
211-3030 LINCOLN AVENUE, COQUITLAM, BC, V3B 6B4	coressivials Sear Englishature)
Address (Print)	252227
WORK:604-468-7304 CELL: 604-7672991	JGUST 16, 2014
Phone No.	Date
I hereby give assurance that (a) I have fulfilled my obligations for field review as outlined in Subsection 2.2.7	7 Division C of the Dritish
Columbia Building Code and in the previously submitted Schedule B, "ASS DESIGN AND COMMITMENT FOR FIELD REVIEW", and	SURANCE OF PROFESSIONAL
(b) those components of the project opposite my initials in Schedule B substan	
(i) the applicable requirements of the B.C. Building Code and other app safety, not including construction safety aspects, and	· · ·
(ii) the plans and supporting documents submitted in support of the app (c) I am a registered professional of record as defined in the British Columbia E	olication for the <i>building</i> permit, Building Code.
(If the registered professional of record is a member of a firm, complete the following	3 :)
I am a member of the firm BEST-WEST ENGINEERS LTD.	
and I sign this letter on behalf of the firm. (Print name of firm)	
Note: The above letter must be signed by a registered professional of record, who is British Columbia Building Code defines a registered professional to mean (a) a person who is registered or licensed to practise as an architect under the (b) a person who is registered or licensed to practise as a professional engineer	Architects Act, or
Geoscientists Act.	ME
	CRP's Initials
1 of 1	

SCHEDULE C-B

Forming Part of Subsection 2.2.7, Division C of the British Columbia Building Code

Building Permit No. (for authority having jurisdiction's use)

ASSURANCE OF PROFESSIONAL FIELD REVIEW AND COMPLIANCE

Notes:

- This letter must be submitted after completion of the project but prior to final inspection by the authority having jurisdiction. A separate letter must be submitted by each registered professional of record.
- This letter is endorsed by: Architectural Institute of B.C., Association of Professional Engineers and Geoscientists of B.C., Building Officials' Association of B.C., and Union of B.C. Municipalities.

 (iii) In this letter the words in italics have the same meaning as in the British Columbia Building Code.

· · · · · · · · · · · · · · · · · · ·	•
To: The authority having jurisdiction	
The City of White Rock	
Name of Jurisdiction (Print)	course.
Re: Structural & Geotechnical only	RESSION TO
Discipline (e.g. Architectural, etc.) (Print)	S S S S ON WOR SE TH
Single Family Dwelling & Detached Garage	D. S. SIDHU
Name of Project (Print)	# 35039
14423-Blackburn Crescent White Rock, BC.	A BULLEH AND
Address of Project (Print)	DE AMAN
(Each registered professional of record shall complete the following:)	- Conservation
Deepinder Sidhu, P.Eng.	
Name (Print)	(Professional's Seal and Signature)
12968-66 Avenue	(Todosional's Sear and Signature)
Address (Print)	
Surrey, BC. V3W 7H3	08/06/2014
604-700-8153	Date
Phone No.	
I hereby give assurance that	(6)
(a) I have fulfilled my obligations for field review as outlined in Subsec	tion 2.2.7. Division C of the British
Columbia Building Code and in the previously submitted Schedule	B, "ASSURANCE OF PROFESSIONAL
DESIGN AND COMMITMENT FOR FIELD REVIEW and	/
(b) those components of the project opposite my initials in Schedule B	substantially comply in all material
respects with	
(i) the applicable requirements of the B.C. Building Code and of	other applicable enactments respecting
safety, not including construction safety aspects, and (ii) the plans and supporting documents submitted in support of	f the application for the <i>building</i> permit
(c) I am a registered professional of record as defined in the British Co	olumbia Building Code
The second of th	January Godo.
(If the registered professional of record is a member of a firm, complete the	following:)
I am a member of the firm Optimum Engineer	ring Corp.
and I sign this letter on behalf of the firm. (Print name of fir	rm)
Note: The short letter worth a six of his consistent description of a six of the six of	

Note: The above letter must be signed by a registered professional of record, who is a registered professional. The British Columbia Building Code defines a registered professional to mean

- (a) a person who is registered or licensed to practise as an architect under the Architects Act, or
- a person who is registered or licensed to practise as a professional engineer under the Engineers and Geoscientists Act.

CRP's Initials



PLANNING AND DEVELOPMENT SERVICES 15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

Inspection Report

City Hall, White Rock, B.C. Tel: 604-541-2136

Tel: 604-541-2136 Fax: 604-541-2153

NAME:	PERMIT No.: 15036
ADDRESS:	14423 Blackburn Cres SHEET NO: 1.420
TYPE OF INS	14423 Blackburn Cres SHEET NO: 1.420 PECTION: Building Final DATE: July 28, 14
AREA OF INS	•
V.	envelog engineer, structural
	engineer schedule c'regid.
2.	engineer schedule c'reg'd centre south dech leating into
	softing letter from envelog engineer
7	regid.
3/	caulking missing around windows
4	sed sollit below south face projection
5.)	condensing unit giging genetration
	of exterior wall to be sealed & mack good.
V	remove all form ties from Fnd-walls.
V	rear basement entry seal wood trim to
	retaining walls.
×\$/)	remove nails them garage and; seal
	electrical conduits genetrating garage
	extenor wall
·	sec next page ->
•	
SIGNATURE:	INSPECTOR:
DATE:	



PLANNING AND DEVELOPMENT SERVICES 15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

Inspection Report

City Hall,

White Rock, B.C.

Tel: 604-541-2136 Fax: 604-541-2153

ADDRESS: 14473 Blockbum Cres SHEET NO: 1+fz TYPE OF INSPECTION: building final DATE: VIMIN 20/14 AREA OF INSPECTION: APPRICA	Redacted S. 22 NAME:	PERMIT No.: 15056
AREA OF INSPECTION: A solipist spice kitchen hood fang Abs interior gawdrail to be sourced. II) stairs to roof top cleck not aggored as constructed.	ADDRESS: 14473 Blackbun Cres	SHEET No: Lot Z
AREA OF INSPECTION: A solipist spice kitchen hood fang Abs interior gawdrail to be sourced. II) stairs to roof top cleck not aggored as constructed.	TYPE OF INSPECTION: <u>building tinal</u> .	DATE: VL/Y 20/14
11.) stairs to roof tog cleck not aggored as constructed.	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
11.) stairs to roof tog cleck not aggored as constructed.		
11.) stairs to roof tog cleck not aggored as constructed.	19/1 adjust spice kitchen	hood tan .
11.) stairs to roof tog cleck not aggored as constructed.	NOS glass interior gawdrail	to be saured.
*** *********************************		
*** *********************************	11.) stairs to not top a	teck not
*** *********************************	aggored as construc	ted.
SIGNATURE: INSPECTOR: FM W		
SIGNATURE: INSPECTOR: ###		(
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SIGNATURE:INSPECTOR: ####################################	Department of the second of th	
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J.	SIGNATURE: INSPECTO	R: / / / / /

SCHEDULE C-B

Forming Part of Subsection 2.2.7, Division C of the British Columbia Bullding Code

Building Permit No. (for authority having jurisdiction's use)

ASSURANCE OF PROFESSIONAL FIELD REVIEW AND COMPLIANCE

Notes: This letter must be submitted after completion of the project but prior to final inspection by the authority having jurisdiction. A separate letter must be submitted by each registered professional of record. This letter is endorsed by: Architectural Institute of B.C., Association of Professional Engineers and Geoscientists of B.C., Building Officials' Association of B.C., and Union of B.C. Municipalities. (iii) In this letter the words in italics have the same meaning as in the British Columbia Building Code. To: The authority having jurisdiction Name of Jurisdi (Each registered professional of record shall complete the following:) Fred Lee Name (Print) (ofຊໍຣໍຣional's Seal and Signature) 3571 Worthington Dr., Vancouver, BC, V3M 3Y1 Address (Print) 604-618-0438 Phone No. I hereby give assurance that (a) I have fulfilled my obligations for field review as outlined in Subsection 2.2.7, Division C of the British Columbia Building Code and in the previously submitted Schedule B, "ASSURANCE OF PROFESSIONAL DESIGN AND COMMITMENT FOR FIELD REVIEW and (b) those components of the project opposite my initials in Schedule B substantially comply in all material respects-with the applicable requirements of the B.C. Building Code and other applicable enactments respecting safety, not including construction safety aspects, and (ii) the plans and supporting documents submitted in support of the application for the *building* permit, I am a registered professional of record as defined in the British Columbia Building Code. (If the registered professional of record is a member of a firm, complete the following:) I am a member of the firm FKL Engineering Consultants Ltd. and I sign this letter on behalf of the firm. (Print name of firm) Note: The above letter must be signed by a registered professional of record, who is a registered professional. The British Columbia Building Code defines a registered professional to mean (a) a person who is registered or licensed to practise as an architect under the Architects Act, or (b) a person who is registered or licensed to practise as a professional engineer under the Engineers and

CRP's Initials

1 of 1

Geoscientists Act.

Sch C-B Fire Sprinkler

SCHEDULE C-B

Forming Part of Subsection 2.2.7, Division C of the British Columbia Building Code

Building Permit No. (for authority having jurisdiction's use)

ASSURANCE OF PROFESSIONAL FIELD REVIEW AND COMPLIANCE

Notes: (i) This letter must be submitted after completion of the project but prior to final inspection by the authority having jurisdiction. A separate letter must be submitted by each registered professional of record. This letter is endorsed by: Architectural Institute of B.C., Association of Professional Engineers and Geoscientists of B.C., Building Officials' Association of B.C., and Union of B.C. Municipalities. (iii) In this letter the words in italics have the same meaning as in the British Columbia Building Code. To: The authority having jurisdiction Name of Ji Address of Project (Print) (Each registered professional of record shall complete the following:) Fred Lee Name (Print) sional's Seal and Signature) 3571 Worthington Dr., Vancouver, BC, V3M 3Y1 Address (Print) JUL 1 8 2014 604-618-0438 Phone No. I hereby give assurance that (a) I have fulfilled my obligations for field review as outlined in Subsection 2.2.7, Division C of the British Columbia Building Code and in the previously submitted Schedule B, "ASSURANCE OF PROFESSIONAL DESIGN AND COMMITMENT FOR FIELD REVIEW and (b) those components of the project opposite my initials in Schedule B substantially comply in all material respects with the applicable requirements of the B.C. Building Code and other applicable enactments respecting safety, not including construction safety aspects, and the plans and supporting documents submitted in support of the application for the *building* permit, I am a registered professional of record as defined in the British Columbia Building Code. (If the registered professional of record is a member of a firm, complete the following:) I am a member of the firm FKL Engineering Consultants Ltd. and I sign this letter on behalf of the firm. (Print name of firm) Note: The above letter must be signed by a registered professional of record, who is a registered professional. The British Columbia Building Code defines a registered professional to mean (a) a person who is registered or licensed to practise as an architect under the Architects Act, or (b) a person who is registered or licensed to practise as a professional engineer under the Engineers and Geoscientists Act.

Sch C-13

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Sup Pup.

1 of 1

CRP's Initials

SCHEDULE B

Forming Part of Subsection 2.2.7, Div. C of the British Columbia Building Code

Building Permit No. (for authority having junsdiction's use)

ASSURANCE OF PROFESSIONAL DESIGN AND COMMITMENT FOR FIELD REVIEW

Notes: (i) This letter must be submitted prior to the commencement of construction activities of the components identified below. A separate letter must be submitted by each *registered professional of record*.

 (ii) This letter is endorsed by: Architectural Institute of B.C., Association of Professional Engineers and Geoscientists of B.C., Building Officials' Association of B.C., and Union of B.C. Municipalities.
(iii) In this letter the words in italics have the same meaning as in the British Columbia Building Code.
To: The authority having jurisdiction
City of white Rock.
Name of Jurisdiction (Print)
Re: SFD Name of Project (Print)
Address of Project (Print) Blackburn Cres, WR
The undersigned hereby gives assurance that the design of the (Initial those of the items listed below that apply to this <i>registered professional of record</i> . All the disciplines will not necessarily be employed on every project.)
ARCHITECTURAL
ARCHITECTURAL STRUCTURAL MECHANICAL
MECHANICAL MECHANICAL
PLUMBING (Draintile Sump Pup, spec) EKFIFE
FIRE-SUPPRESSION SYSTEMS
ELECTRICAL
GEOTECHNICAL — temporary
GEOTECHNICAL — permanent (Professional's Seal and Signature)
JUE 170 2014
Date Date
components of the plans and supporting documents prepared by this registered professional of record in support of
the application for the building permit as outlined below substantially comply with the B.C. Building Code and other applicable enactments respecting safety except for construction safety aspects.
applicable enacting salety exception constitution salety aspects.
The undersigned hereby undertakes to be responsible for field reviews of the above referenced components during
construction, as indicated on the "SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS" below.
CRP's Initials

Schedule B - Continued

Building Permit No.

Discipline

The undersigned also undertakes to notify the authority having jurisdiction in writing as soon as possible if the undersigned's contract for field review is terminated at any time during construction.

I certify that I am a registered professional as defined in the British Columbia Building Code.

Fred Lee

Registered Professional of Record's Name (Print)

3571 Worthington Dr., Vancouver, BC, V5M 3Y1

Address (Print)

604-618-0438

Phone No.



JUL 1 0 2014

Date

(If the Registered Professional of Redouls a member of artiful complete the following.)

I am a member of the firm FKL Engineering Consultants Ltd. and I sign this letter on behalf of the firm

Note The above letter must be signed by a registered professional of record, who is a registered professional. The British Columbia Building Code defines a registered professional to mean

- (a) a person who is registered or licensed to practise as an architect under the Architects Act, or
- (b) a person who is registered or licensed to practise as a professional engineer under the Engineers and Geoscientists Act

CRP's Initials

Schedule B - Continued

Building Permit No.

14423 Blackburn Cros. WK

Fire Suppression Systems

Discipline

SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS

(Initial applicable discipline below and cross out and initial only those items not applicable to the project.)

ARCHITECTURAL

- 1.1 Fire resisting assemblies
- 1.2 Fire separations and their continuity
- 1.3 Closures, including tightness and operation
- 1.4 Egress systems, including access to exit within suites and floor areas
- 1.5 Performance and physical safety features (guardrails, handrails, etc.)
- 1,6 Structural capacity of architectural components, including anchorage and seismic restraint
- .X Sound control
- 1.8 Landscaping, screening and site grading
- 1.9 Provisions for fire fighting access
- 1.10 Access requirements for persons with disabilities
- 1.11 Elevating devices
- 1.12 Functional testing of architecturally related fire emergency systems and devices
- 1.13 Development Permit and conditions therein
- 1.14 Interior signage, including acceptable materials, dimensions and locations
- 1.15 Review of all applicable shop drawings
- 1.16 Interior and exterior finishes
- 1.17 Dampproofing and/or waterproofing of walls and slabs below grade
- 1.18 Roofing and flashings
- 1.19 Wall cladding systems
- 1.20 Condensation control and cavity ventilation
- 1.21 Exterior glazing
- 1.22 Integration of building envelope components
- 1.23 Environmental separation requirements (Part 5)
- 1.24 Building Envelope, Part 10/ASHRAE Requirements



-(Phofessionalis \$eal-and Signature)

JUL 1 0 2014

Date

STRUCTURAL

- 2.1: Structural capacity of structural components of the building including anchorage and seismic restraint
- 2.2 Structural aspects of deep foundations
- 2.3 Review of all applicable shop drawings
- 2.4 Structural aspects of unponded post-tensioned concrete design and construction

MECHANICAL

- 3.1 HVAC systems and devices, including high building requirements where applicable
- 3.2 Fire dampers at required fire separations
- 3.3 Continuity of fire separations at HVAC penetrations
- 3.4 Functional testing of mechanically related fire emergency systems and devices
- 3.5 Maintenance manuals for mechanical systems
- 3.6 Structural capacity of mechanical components, including anchorage and seismic restraint
- 3.7 Review of all applicable stop drawings
- 3.8 Mechanical Systems, Part 10/ASHRAE Requirements

CRP's Initials

Schedule B - Continued	
	Building Permit No.
10	ty 23 Blackburn Cres
	Project Address
_ _ = Fire	Suppression Systems
PLUMBING	Th- Plumbing Discipline
- 4.1 Roof drainage systems	mp. Spec. Only)
142 Plumbing systems and devices	//-/··//
4.4—Continuity of fire separations at plumbing penetrations 4.5—Functional testing of plumbing related fire emergency systems and devices	
4.6—Maintenance manuals for plumbing systems- 4.7—Structural capacity of plumbing components, including anchorage and seisr	nic restraint
4.8—Review of all applicable shop drawings— 4.9—Plumbing Systems, Part 10 requirements—	·
	104/1
FIRE SUPPRESSION SYSTEMS 5.1 Suppression system classification for type of occupancy	
5.2 Design coverage, including concealed or special areas 5.3 Compatibility and location of electrical supervision, ancillary alarm and cont	for davided
5.4 Evaluation of the capacity of city (municipal) water supply versus system de	mands and domestic demand,
including pumping devices where necessary 5.5 Qualification of welder, quality of welds and material	
5.6 Review of all applicable shop drawings 5.7 Acceptance testing for "Contractor's Material and Test-Certificate" as per N	FPA Standards
 5.8 Maintenance program and manual for suppression systems 5.9 Structural capacity of sprinkler components, including anchorage and seism 	
5.10 For partial systems — confirm sprinklers are installed in all areas where req 5.11 Fire Department connections and sydrant locations	uired
5.12 Fire hose standpipes	
5.13 Freeze protection measures for fire suppression systems 5.14 Functional testing of fire suppression systems and devices	$\langle \gamma \rangle$
ELECTRICAL	
6.1 Electrical systems and devices, including high building requirements where	applicable
6.2 Continuity of fire separations at electrical penetrations 6.3 Functional testing of electrical related fire emergency systems and devices	./
6.4 Electrical systems and devices maintenance manuals / -6.5 Structural capacity of electrical components including anchorage and	
seismic restraint 6.6 Clearances from buildings of all electrical utility equipment	0.28810
6.7 Fire protection of wiring for emergency systems 6.8 Review of all applicable shop drawings	100 mg
6.9 Electrical Systems, Part 10/ASHRAE requirements	E.K.F. LEE 16918
GEOTECHNICAL — Temporary	C BRITISH .
7.1 Excavation 7.2 Shoring	MAGINER
7.3 Underpinning 7.4 Temporary construction dewatering	
GEOTECHNICAL — Permanent 8.1 Bearing capacity of the soil	. (Professional's Seal and Signature)
 8.2 Geotechnical aspects of deep foundations 8.3 Compaction of engineered fill 	440 2011
8.4 Structural considerations of soil, including slope stability and seismic loading	JAF 4.0 5019
8.5 Backfill	Date
8.6 Permanent dewatering 8.7 Permanent underpinning	
4 of 4	CRP's Initials
7014	



TONG NGO ENGINEERING LTD.

16968 77A Ave., Surrey, B.C. V4N 6L2

Tel: 604.372.2120 Cell: 604.763.4658 Fax: 604.502.0936 tneltd@yahoo.ca info@tnengineering.ca

Inspection	on Report	Report No.:	_1		
		Project No:	KFW3-14		
To:	KSS Finishing & Woodworking	Attention:	Karmjit		
From:	Tong Ngo, P.Eng.	Date:	July 17, 2014		
Project:	Single Family House – Glass Guardrail				
	14423 Blackburn Cr., Whiterock, BC				
Ref:	Inspection of Interior Stair And Balcony Glass Gua	rdrail			

Inspected and approved the installation of glass guardrail of the interior balcony and stair.

Guardrail designed and fabrication according to part 4 of the BCBC 2012 And the APEG guidelines for glass railings

Glass guardrail designed in conformance with CAN/CGSB-12.20-M (structural design of glass for buildings).



SCHEDULE B

Forming Part of Subsection 2.2.7, Div. C of the British Columbia Building Code

Building Permit No. (for authority having jurisdiction's use)

ASSURANCE OF PROFESSIONAL DESIGN AND COMMITMENT FOR FIELD REVIEW

Notes: (i) This letter must be submitted prior to the commencement of construction activities of the components identified below. A separate letter must be submitted by each registered professional of record

 below. A separate letter must be submitted by each registered professional of record. (ii) This letter is endorsed by: Architectural Institute of B.C., Association of Professional Engineers and Geoscientists of B.C., Building Officials' Association of B.C., and Union of B.C. Municipalities.
(iii) In this letter the words in italics have the same meaning as in the British Columbia Building Code.
To: The authority having jurisdiction
CITY OF WHITEROCK
Name of Jurisdiction (Print)
Re: SINGLE FAMILY HOUSE - GLASS GUARDRAIL
Name of Project (Print)
14423 BLACKBURN CR., WHITEROCK, BC
Address of Project (Print)
The undersigned hereby gives assurance that the design of the (Initial those of the items listed below that apply to this registered professional of record. All the disciplines will not necessarily be employed on every project.)
ARCHITECTURAL
STRUCTURAL INT. BALCONY + STAIR
MECHANICAL GLASS GUARDRAIL
PLUMBING
FIRE SUPPRESSION SYSTEMS
ELECTRICAL
GEOTECHNICAL — temporary
GEOTECHNICAL — permanent (Professional's Seal and Signature)
JÜLÝ 17, 2014
Date
components of the plans and supporting documents prepared by this registered professional of record in support of the application for the building permit as outlined below substantially comply with the B.C. Building Code and other applicable enactments respecting safety except for construction safety aspects.
The undersigned hereby undertakes to be responsible for field reviews of the above referenced components during construction as indicated on the "SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS" below.
CRP's Initials

Schedule B - Continued

Building Permit No. (for authority having jurisdiction's use)

14423 BLACKBURN CR., WHITEROCK, BC

Project Address

STRUCTURAL (GLASS GUARDRAIL)

Discipline

The undersigned also undertakes to notify the authority having jurisdiction in writing as soon as possible if the undersigned's contract for field review is terminated at any time during construction.

I certify that I am a registered professional as defined in the British Columbia Building Code.

TONG NGO, P.ENG.

Registered Professional of Record's Name (Print)

16968 77A AVENUE, SURREY, BC V4N 6L2

Address (Print)

604.372.2120

Phone No.



Date

(If the Registered Professional of Redord's a member of a firm, complete the following.)

I am a member of the firm

TONG NGO ENGINEERING LTD.

and I sign this letter on behalf of the firm.

(Print name of firm)

Note: The above letter must be signed by a registered professional of record, who is a registered professional . The British Columbia Building Code defines a registered professional to mean

- (a) a person who is registered or licensed to practise as an architect under the Architects Act, or
- (b) a person who is registered or licensed to practise as a professional engineer under the Engineers and Geoscientists Act.

CRP's Initials

Schedule B - Continued

Building Permit No. (for authority having jurisdiction's use)

14423 BLACKBURN CR., WHITEROCK, BC

Project Address

STRUCTURAL (GLASS GUARDRAIL)

Discipline

SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS

(Initial applicable discipline below and cross out and initial only those items not applicable to the project.)

ARCHITECTURAL

- Fire resisting assemblies
- Fire separations and their continuity 12
- Olosures, including tightness and operation
- Egress systems, including access to exit within suites and floor areas
- Performance and physical safety features (guardrails, handrails, etc.)
- Structural capacity of architectural components, including anchorage and seismic restraint
- Sound control
- Landscaping, screening and site grading
- Provisions for fire fighting access
- 1.10 Access requirements for persons with disabilities
- 1.11 Elevating devices
- 1.12 Functional testing of architecturally related fire emergency systems and devices
- 1.13 Development Permit and conditions therein
- 1.14 Interior signage, including acceptable materials, dimensions and locations
- 1.15 Review of all applicable shop drawings
- 1.16 Interior and exterior finishes
- 1.17 Dampproofing and/or waterproofing of walls and slabs below grade
- 1.18 Roofing and flashings
- 1.19 Wall cladding systems
- 1.20 Condensation control and cavity ventilation
- 1.21 Exterior glazing
- 1.22 Integration of building envelope components
- .23 Environmental separation requirements (Part 5)
- 1.24/Building Envelope, Part 10/ASHRAE Requirements

Seal and Signature) Professionalis

17, 2014

STRUCTURAL

BALÇONY + STAIR GLASS GUARDRAIL TWI

- Structural capacity of structural components of the building including anchorage and seismic restraint
- Structural aspects of deep foundations
- Review of all applicable shop drawings
- Structural aspects of unbonded post-tensioned concrete design and construction

MECHANICAL

- 3.12 HVAC systems and devices, including high building requirements where applicable
- 3.2 Fire dampers at required fire separations

- 3.5
- Continuity of fire separations at HVAC penetrations
 Functional testing of mechanically related fire emergency systems and devices
 Maintenance manuals for mechanical systems
 Structural capacity of mechanical components, including anchorage and seismic restraint 3.6
- Review of all applicable shop drawings 3.7
- Mechanical Systems, Part 10/ASHRAE Requirements

CRP's Initials

Schedule B - Continued Building Permit No. (for authority having jurisdiction's use) 14423 BLACKBURN CR., WHITEROCK, BC Project Address STRUCTURAL (GLASS GUARDRAIL) Discipline **PLUMBING** Roof drainage systems Site and foundation drainage systems Plumbing systems and devices Continuity of fire separations at plumbing penetrations Functional testing of plumbing related fire emergency systems and devices Maintenance manuals for plumbing systems Structural capacity of plumbing components, including anchorage and seismic restraint Review of all applicable shop drawings 4.7 Plumbing Systems, Part 10 requirements **FIRE SUPPRESSION SYSTEMS** Suppression system classification for type of occupancy Design coverage, including concealed or special areas 5.2 Compatibility and location of electrical supervision, ancillary alarm and control devices 5.3 Evaluation of the capacity of city (municipal) water supply versus system demands and domestic demand including pumping devices where necessary

Qualification of welder, quality of welds and material

Review of all applicable shop drawings

Acceptance testing for "Contractor's Material and Test-Certificate" as per NFPA Standards 5.6 Maintenance program and manual for suppression systems. 5.9 Structural capacity of sprinkler components, including anchorage and seismic restraint 5.10 For partial systems — confirm sprinklers are installed in all areas where required 5.11 Fire Department connections and hydrant locations 5.12 Fire hose standpipes
5.13 Freeze protection measures for the suppression systems 5.14 Functional testing of fire suppression systems and devices ELECTRICAL Electrical systems and devices, including high building requirements where applicable Continuity of fire separations at electrical penetrations. Functional testing of electrical related fire-emergency systems and devices Electrical systems and devices maintenance manuals Structural capacity of electrical components, including anchorage and seismic restraint 6.6 Clearances from buildings of all electrical utility equipment 6.7 Fire protection of wiring for emergency systems 6.8 Review of all applicable shop drawings Electrical Systems, Part 10/ASHRAE requirements GEOTECHNICAL + Temporary 7.1 Excavation 7.2 Shoring Underpinning Temporary construction dewatering 7.4 GEOTECHNICAL — Permanent (Professional's Seal and Signature) 8.1 Bearing capacity of the soil Geotechnical aspects of deep foundations Compaction of engineered fill 8.3 Structural considerations of soil, including slope stability and JULY 17, 2014 seismic loading 8.5 Backfill Date Permanent dewatering 8.6 Permanent underpinning CRP's Initials 4 of 4

SCHEDULE C-B

Forming Part of Subsection 2.2.7, Division C of the British Columbia Building Code

Building Permit No. (for authority having jurisdiction's use)

ASSURANCE OF PROFESSIONAL FIELD REVIEW **AND COMPLIANCE**

(i) This letter must be submitted after completion of the project but prior to final inspection by the authority

having jurisdiction. A separate letter must be submitted by each registered professional of record. (ii) This letter is endorsed by: Architectural Institute of B.C., Association of Professional Engineers and Geoscientists of B.C., Building Officials' Association of B.C., and Union of B.C. Multicipalities. (iii) In this letter the words in italics have the same meaning as in the British Columbia Building Code.
To: The authority having jurisdiction
CITY OF WHITEROCK
Name of Jurisdiction (Print) Name of Jurisdiction (Print) INT. BALCONY + STAIR GLASS GUARDRAIL
Re: STRUCTURAL (GLASS GUARDRAIL)
Discipline (e.g. Architectural, etc.) (Print) SINGLE FAMILY HOUSE - GLASS GUARDRAIL
Name of Project (Print) 14423 BLACKBURN CR., WHITEROCK, BC
Address of Project (Print)
(Each registered professional of record shall complete the following:) TONG NGO, P.ENG.
Name (Print) (Professional's Seal and Signature)
16968 //A AVENUE, SURREY,
Address (Print)
BC V4N 6L2 JULY 17, 2014
604.372.2120 Daile
Phone No.
I hereby give assurance that
(a) I have fulfilled my obligations for field review as outlined in Subsection 2.2.7, Division C of the British Columbia Building Code and in the previously submitted Schedule B, "ASSURANCE OF PROFESSIONAL DESIGN AND COMMEMENT FOR FIELD REVIEW", and
(b) those components of the project opposite my initials in Schedule B substantially comply in all material
respects with (i) the applicable requirements of the B.C. Building Code and other applicable enactments respecting
safety, not including construction safety) aspects, and
(ii) the plans and supporting documents submitted in support of the application for the building permit,
(c) I am a registered professional of record as defined in the British Columbia Building Code.
(If the registered professional of record is a member of a firm, complete the following:)
I am a member of the firm TONG NGO ENGINEERING LTD.
and I sign this letter on behalf of the firm. (Print name of firm)
(MANAGEMENT OF THE STATE OF TH
Note: The above letter must be signed by a registered professional of record, who is a registered professional. The British Columbia Building Code defines a registered professional to mean
(a) a person who is registered or licensed to practise as an architect under the Architects Act, or
(b) a person who is registered or licensed to practise as a professional engineer under the Engineers and Geoscientists Act.
CRP's Initials



PLANNING AND DEVELOPMENT SERVICES 15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

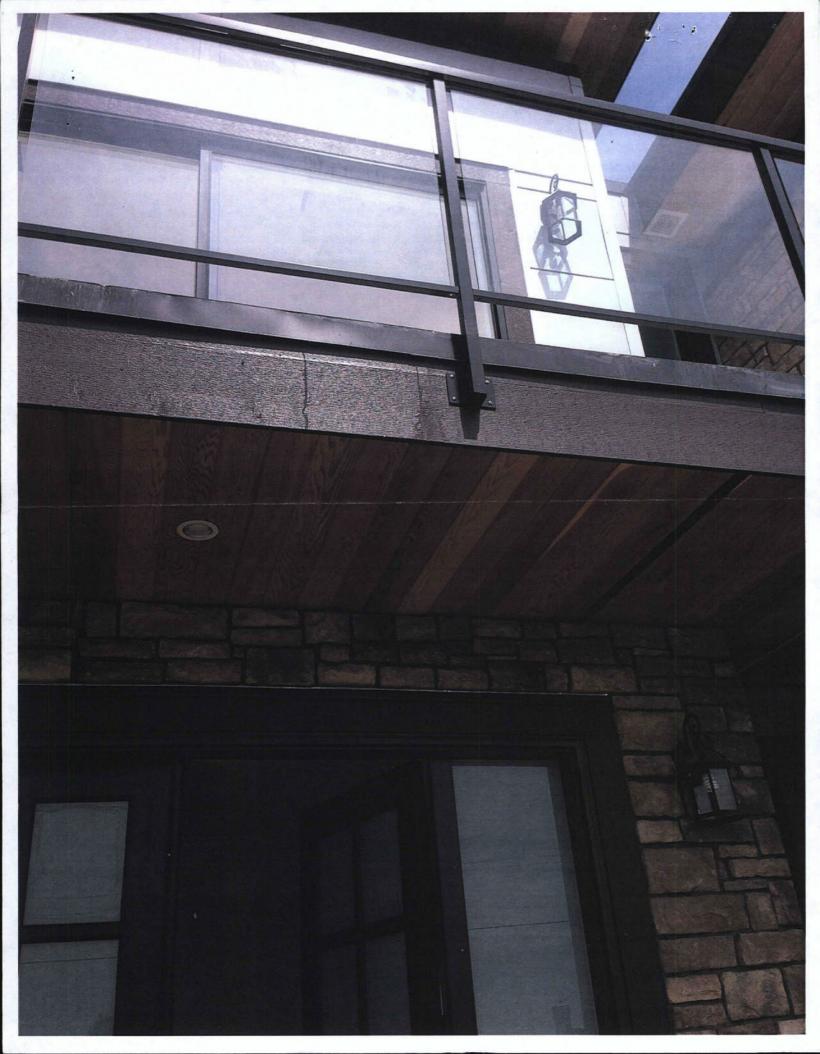
Inspection Report

City Hall, White Rock, B.C.

Tel: 604-541-2136 Fax: 604-541-2153

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PLANNING AND DEVELOPMENT SERVICES 15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

Inspection Report

City Hall, White Rock, B.C. Tel: 604-541-2136 Fax: 604-541-2153

NAME:		• .		F	PERMIT No.:	13.0	<u>56</u>
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PLANNING AND DEVELOPMENT SERVICES 15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

Inspection Report

City Hall, White Rock, B.C.

Tel: 604-541-2136 Fax: 604-541-2153

NAME: _		PERMIT No.: 13.034
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	RE:	INSPECTOR
DATE:		\

15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6 Telephone: (604) 541-2136 Fax: (604) 541-2153

Permit Number: 6731

Date: July 4 Zoff

APPLICATION FOR PLUMBING/SPRINKLER PERMIT

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Signature (Appl And I agree to	conform t		irements	of the "C	City of W	nite Rock	Building	By Law"			Signatur	e (Buildi	ng Offici	al)	ot C	9 / 8:201407(401 / D:3454 4 CELIN	225.00
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PLANNING AND DEVELOPMENT SERVICES

15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

Inspection Report

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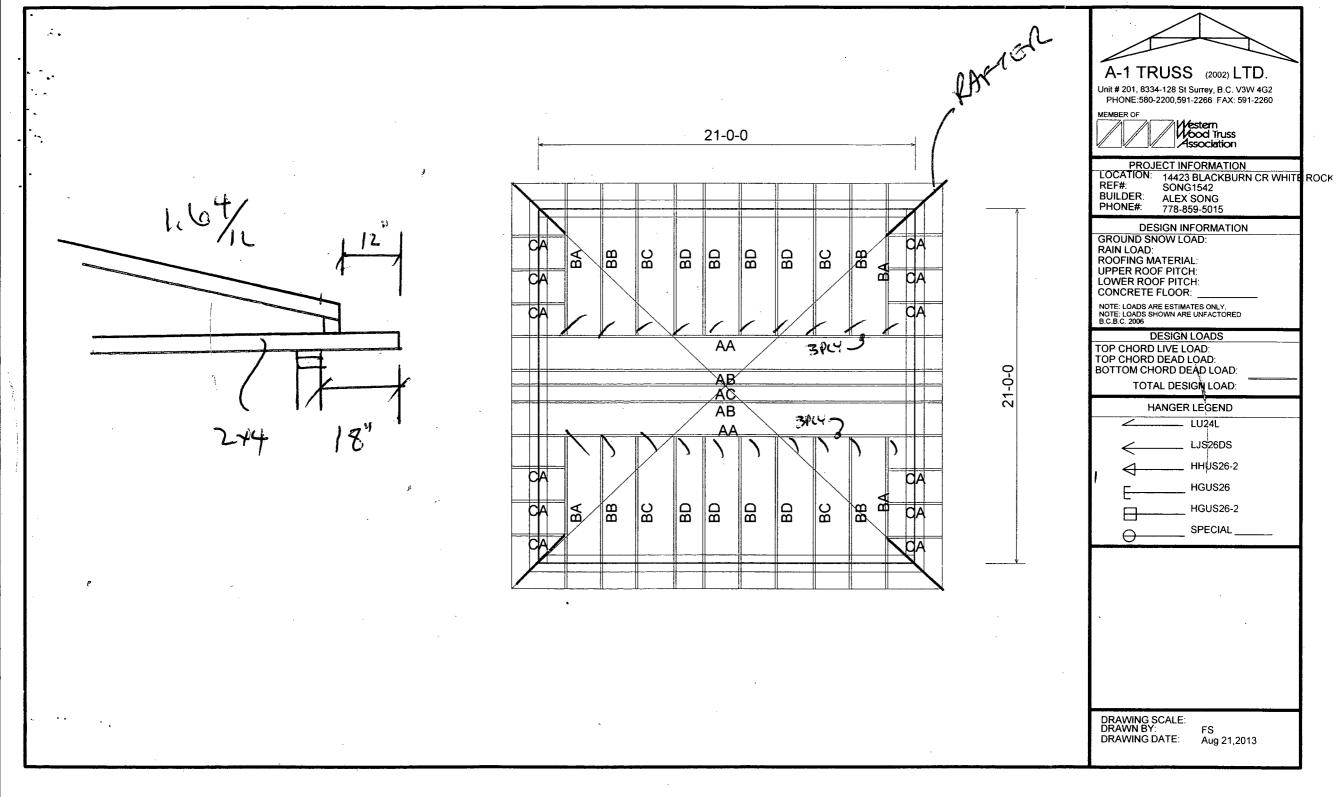
City Hall,

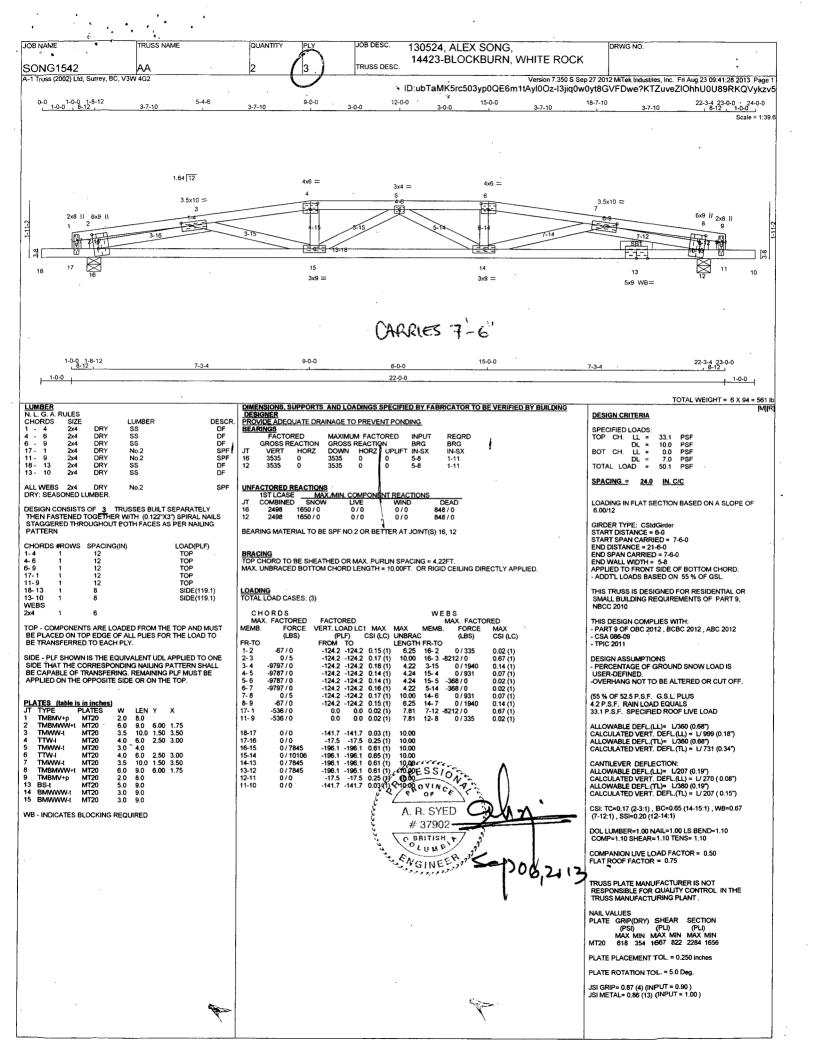
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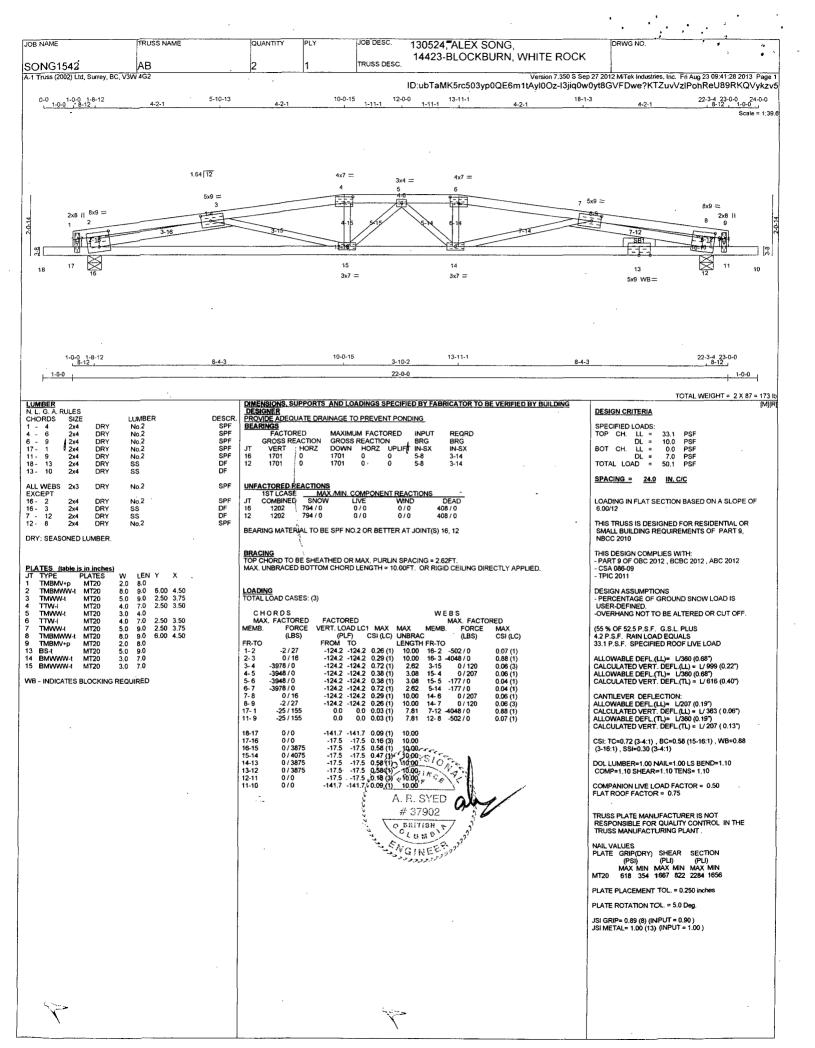
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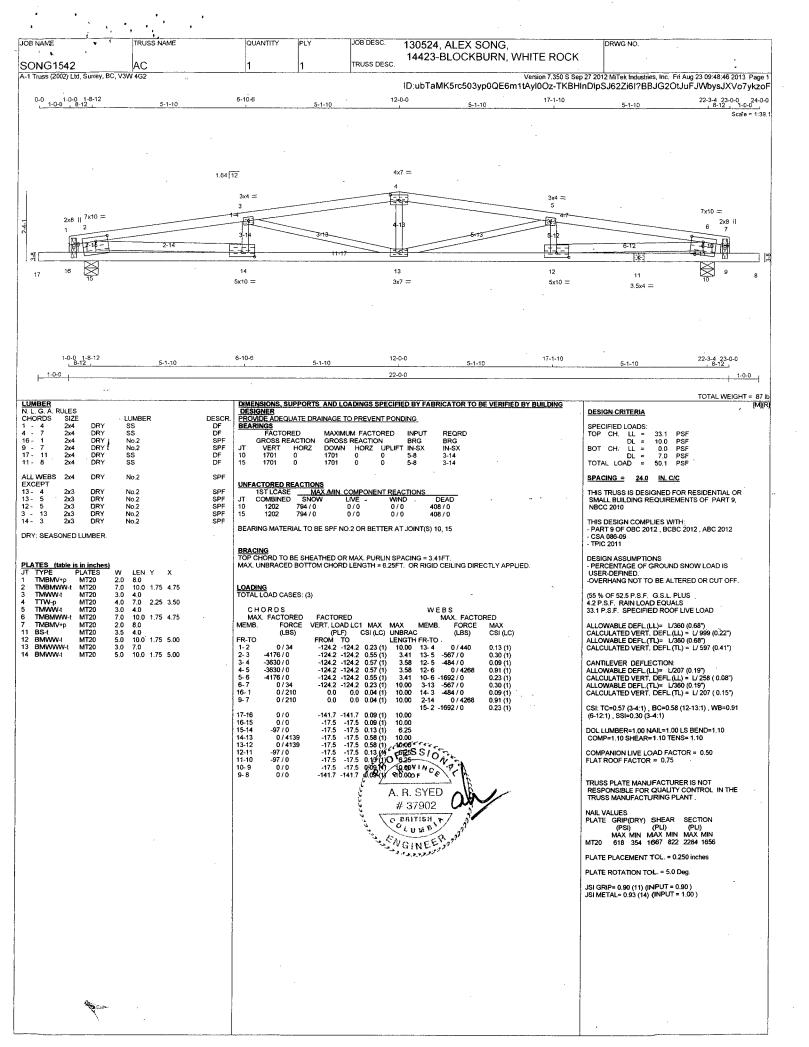
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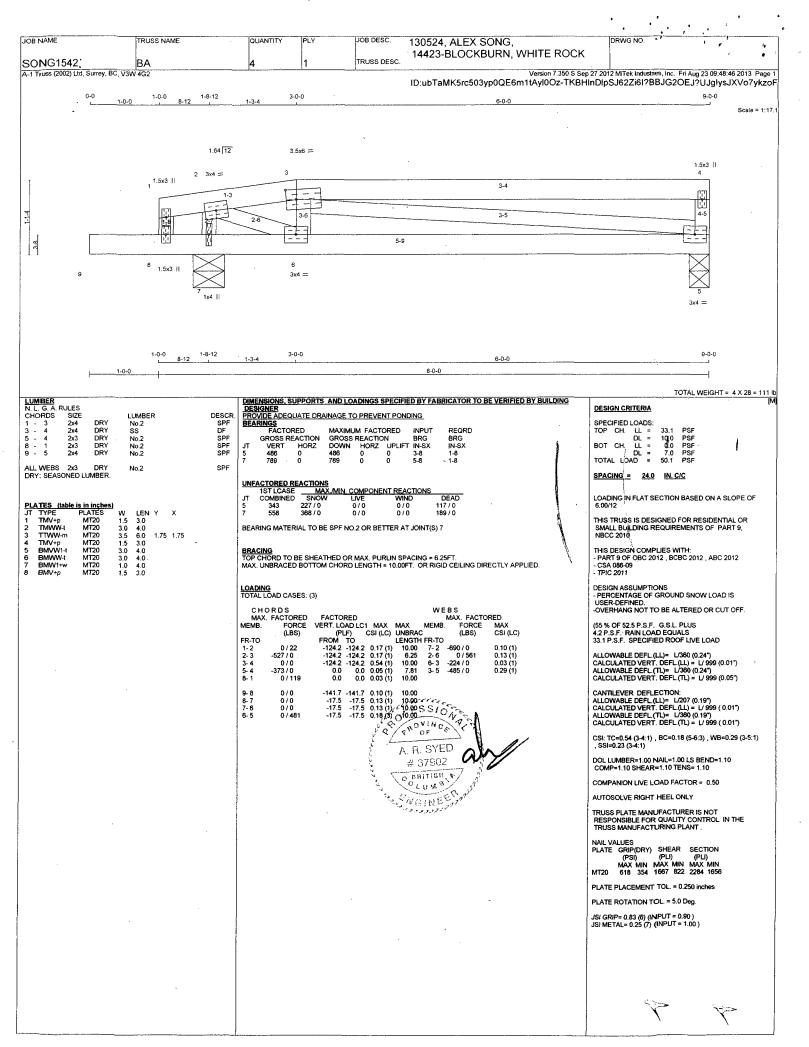
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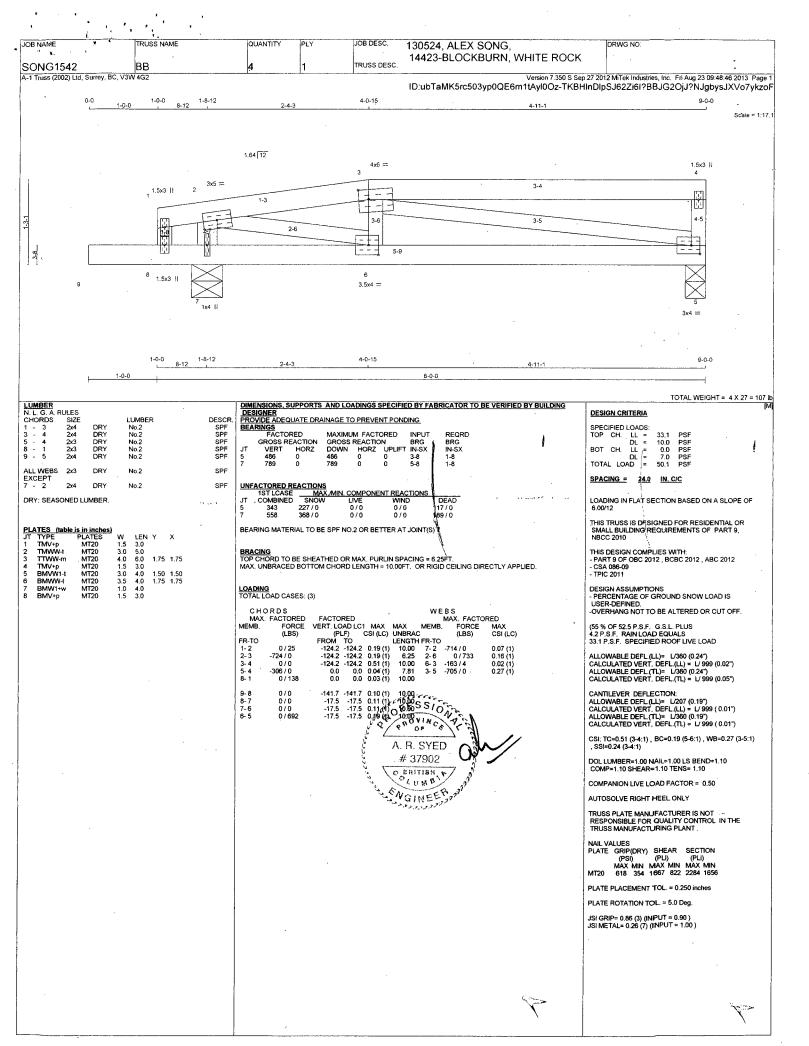


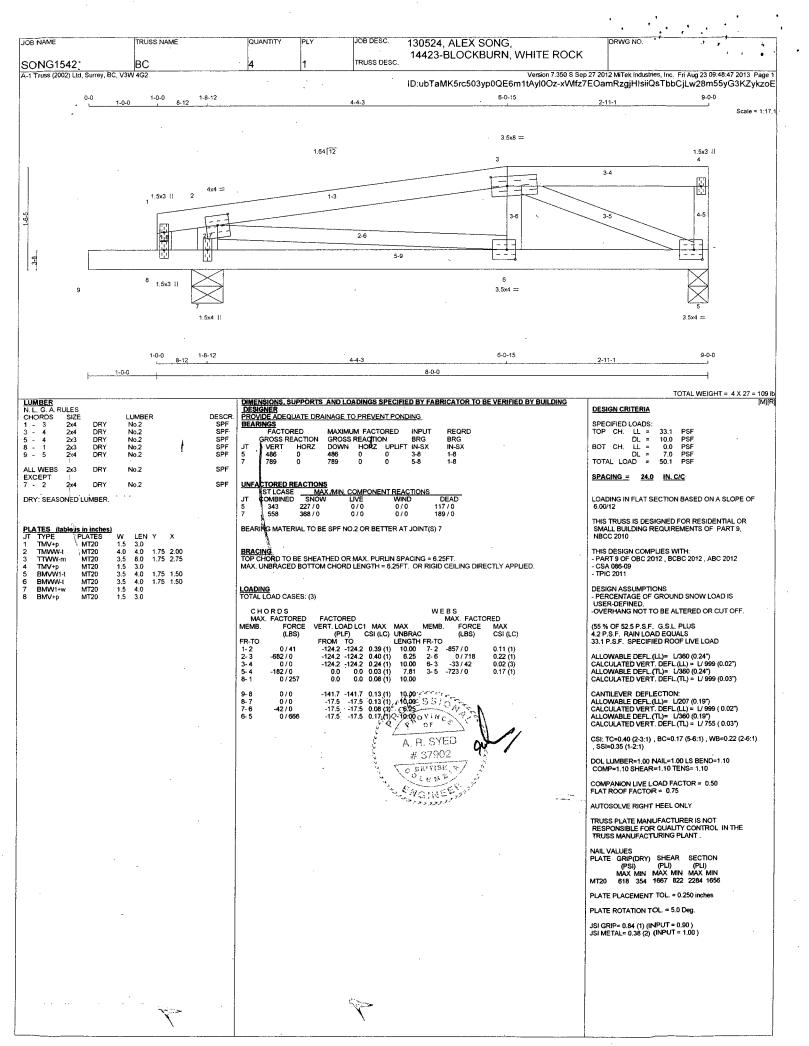


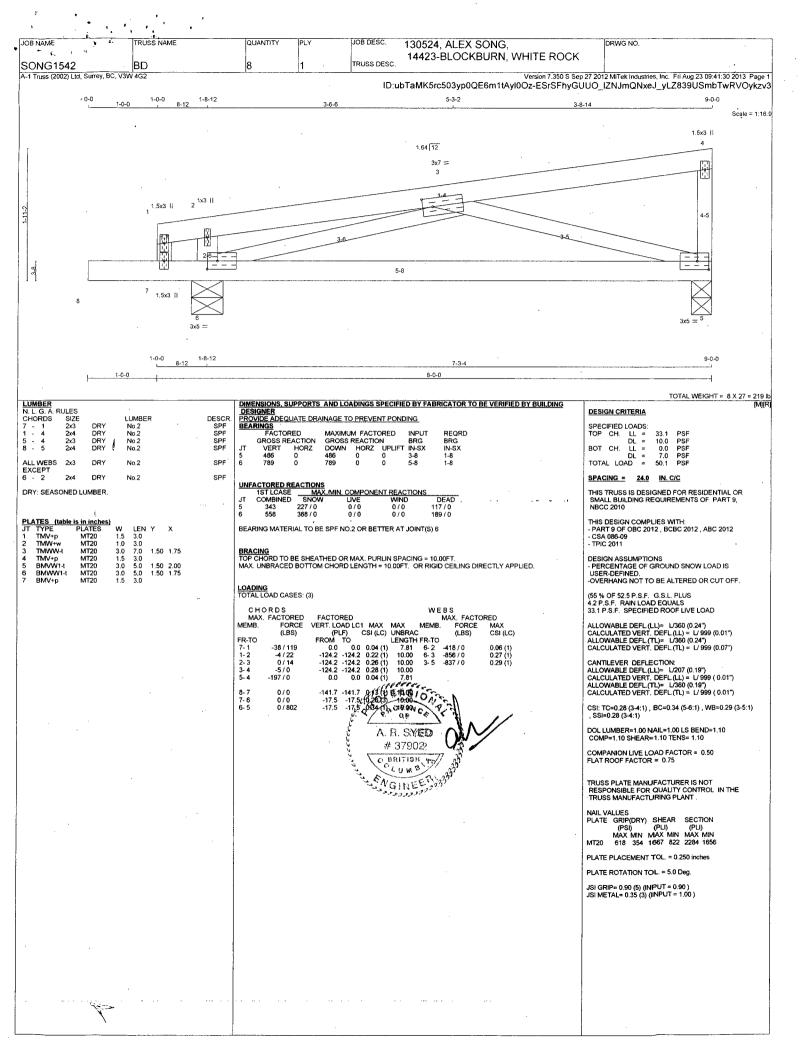


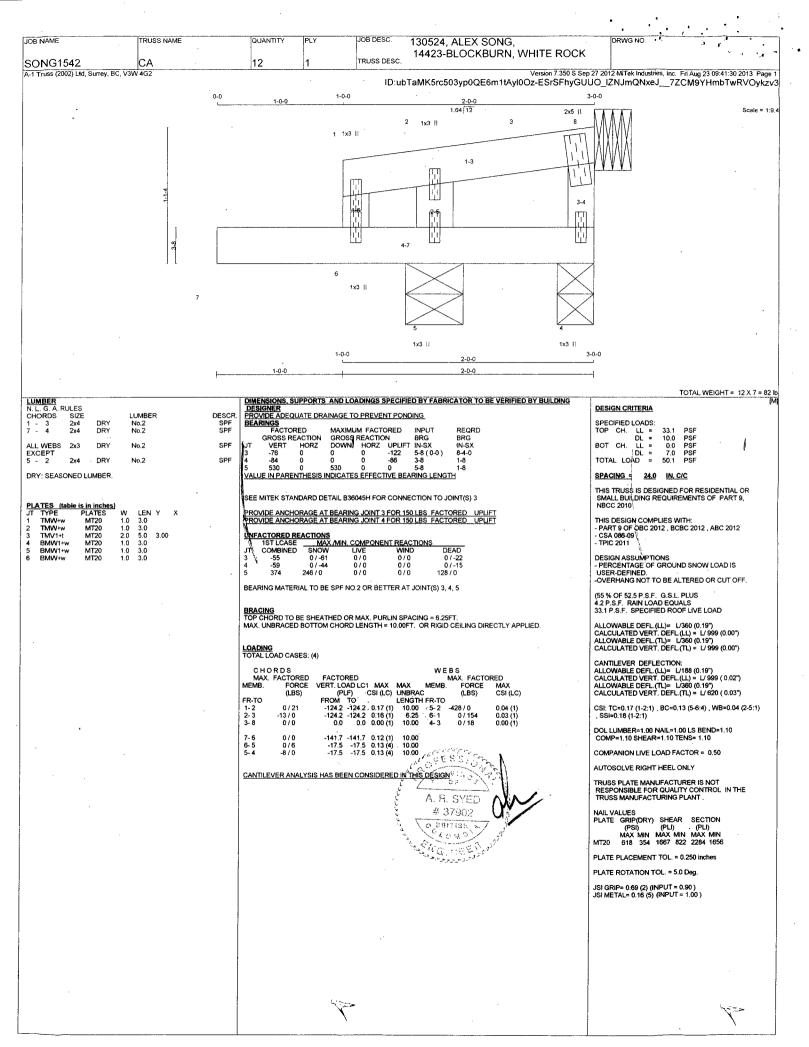












OPTIMUM ENGINEERING CORP.

12968-66 AVENUE, SURREY, BC V3W 7H3 Tel: (604) 700-8153 Fax: (604) 543-4035

Date: February 7, 2014

File: RACC0G

The City of White Rock, 15322 Buena Vista Avenue, White Rock, BC. V4B 1Y6

Attention: Building Inspector

Dear Sir/Madam:

Re: Patio Concrete Stairs Formwork for site address at: 14423-Blackburn Crescent White Rock, BC.

We have visited the site and reviewed the formwork for patio concrete stairs at above mentioned site and noted as under:

- Reinforcement and size of stringer slab, side walls supporting steps found to be satisfactory.
- Owner/builder to not pour the concrete if ambient temperature is less than 5°C, without providing protection.
- The formwork is ready for pouring concrete.

Please contact the undersigned at 604-700-8153 in case of any further question.

Yours Truly, Optimum Engineering Corp.

FEB 0 7 2014

OPTIMUM ENGINEERING CORP.

12968-66 AVENUE, SURREY, BC V3W 7H3 Tel: (604) 700-8153 Fax: (604) 543-4035

Date: February 7, 2014

File: RACC0G

The City of White Rock, 15322 Buena Vista Avenue, White Rock, BC. V4B 1Y6

Attention: Building Inspector

Dear Sir/Madam:

Re: Detached Garage Structural Wood Framing at <u>site address: 14423-Blackburn Crescent</u>, <u>White Rock, BC.</u>

We have reviewed the structural wood framing for detached garage at above mentioned site and noted as under:

- Structural wood components such as beams, headers & walls found to be satisfactory and as per BCBC 2012.
- Reaction loads of structural components have been transferred to foundation.
- Trusses found to be installed as per truss P.Eng. sign & sealed truss shop drawings. Please contact the undersigned at 604-700-8153 in case of any further question.

Yours Truly, Optimum Engineering Corp.

FEB 0 7 2014



PLANNING AND DEVELOPMENT SERVICES

15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

Inspection Report

City Hall, White Rock, B.C.

Tel: 604-541-2136 Fax: 604-541-2153

NAME:					PERMIT No.:	13.03	5 <u>6</u>
ADDRESS:	14423	Blackbu	in Ca		SHEET No: _		
TYPE OF INSP	PECTION:	Frame.		· .	DATE:	65/14	
AREA OF INSF	PECTION:						
)	,	,				
	Root	deck 5	firs/ac	(15	to be	insulat	ēc
	15	discussus	<u>/</u>				
	(^	1.			
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	Valain.	Co Cl	· Asi	- 1)V	mar L	VI.	
4	Athi	200 ps	on with	rior	Walls	to be so	03t
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) ; [
				KPC	7a/		
					1 .		
	-					1	
						7/	
SIGNATURE: _			IN:	SPECTOR:_	XX		
DATE:	,				W		

Please sign this form when the work is completed and return to the above department.

OPTIMUM ENGINEERING CORP.

12968-66 AVENUE, SURREY, BC V3W 7H3 Tel: (604) 700-8153 Fax: (604) 543-4035

Date: January 17, 2014

File: RACC0G

The City of White Rock, 15322 Buena Vista Avenue, White Rock, BC. V4B 1Y6

Attention: Building Inspector

Dear Sir/Madam:

Re: Structural Wood Framing at site address: 14423-Blackburn Crescent White Rock, BC.

We have visited the site and reviewed the structural wood framing for single family dwelling at above mentioned site and noted as under:

- Structural wood components such as beams, headers, joist & walls found to be satisfactory and as per BCBC 2012.
- Reaction loads of structural components have been transferred to foundation.
- A 12" to 14" thick layer of gravel has been used under living area of basement slab. Please contact the undersigned at 604-339-0034 in case of any further question.

Yours Truly, Optimum Engineering Corp.

Beerinder Sidty B. S. Sidhu M.Eng. EIT

Mechanical Ventilation Checklist C—Distributed or Non-Distributed

Use this checklist when a centrally ducted exhaust ventilation systems such as an HRV (heat recovery ventilator or a CEV (central exhaust ventilator) is used to meet principal fan requirements.

Civic Address		S Block by		D			
Civic Address	S-110/A	> ISCOUND	ORN C)1-		rmit No	
	N	umber of Bedroor	ms <u>4</u>	(A) wine	dow (minir		ith an openable isions apply), a r door.
	Total Interior	Volume of Dwelli	ng 3490	Space space	es and heat	ed crawlspa	
.5 ACH (air c	hanges/hr) = V	/olume x 0.5 ÷ 60) = 28p	$-\frac{1}{cfm}$ (B) $\frac{Exh}{.5 \text{ A}}$	aust appliar CH may re	ices exceedi quire make-	ing up air.
	room count fro	m Box (A) above the system.			ermine tl	ne minim	um Principal
	, - _F	Minime	ım Require	d Rate:		75	cfm (C)
2. HRV or CE	V Equipment	: Make G	becate	<u>K_</u> n	fodel	220	>
3A. HRV Cap	oacity: CFM @	9.4"W.C. Box D m	nust meet Box.	C Minimum Requi	rement.	200	cfm (D
a) The fan m Conti b) The Princi installation is	ust be controlle nuous Operation pal Fan Rate messin a NAFFVA	ay be set lower that home where the pri	erval timer or nittent Opera n its full Box incipal fan cf	run continuously ation E Capacity if m rate must not	y: [cfm (E
exceed 110 c	fm per 9.32.3,3.	.(2). If this applies,		_	1	***************************************	
4. Required B	itchen and B	Box F m athroom Exhaus		C Minimum Requi	rement.		cfm (F
ROOM	EXHAUST			EXHAUST I	EQUIPME	NT	
	RATE Required per			L/CEILING FAN			HRV/CEV
	Table 9.32.3.3.B	Make & Model		CFM@.2" Manf. Rated	*Duc smooth	t Dia (in)	Exhaust CFM
BAHLYour	50	Brown	bas	50	٧		áo
4	N	4	ν	м		5	4
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ч	n	ln en	<u> </u>	٤٦	n		4
4	2 313 W	<i>\$</i>	N	r	U		4
Kit	180 m	r "EN			1		4
n	778/2	٠ 5 }			<u></u>		٦
		1					
* Use Table 9.32.3. instructions or use	905 (7) 9. For fançapacitie good engineeningip	्रभ es exceeding Table 9.32 facilise to size duct. See	2.3.9, follow mai Ventilation Gui	nufacturer's installation	on 24-A. (Bo	total x D or E)	160

Yes, Proceed to Step 6 if CEV or Step 7 if HRV.	-
6. CEV only—Make-Up Air Duct for Principal Fan: C a) Non-Distributed system—Passive make-up air duct: U	· · · · · · · · · · · · · · · · · · ·
Make-up air duct diameterinches. Loca	tion
Damper make Voltage 7. Exhaust Appliance present which exceeds Box B —	or design temperature less than -10° C, this duct must on air fan. e: Prinicipal Fan & Furnace Blower Yes
8. Use Passive Make-up Air for Exhaust Appliance with a	actual installed exhaust rate of 126 cfm or less:
Appliance Cfm Passive Make-up	Air Duct Sized to Table 9.32.3.8:inches
9. Use Active Make-up Air for Exhaust Appliance with act Make-up Air Fan required: Fan MakeModel	Million and American Comme
Dun diamatar idahas	*must equal actual installed exhaust rate of appliance.
Fan Location Fan duc	cited to
a) Active Make-up Air delivered to an Unoccupied Area i) Tempering Required per 9.32.4.1.(4)(a): Show calculation & describe how make-up air will be tempered ii) Transfer Grill Required Size to Table 9.32.3.8 (or 1 sq in Transfer grill size sq. in. Loca iii) Additional Tempering Required per 9.32.4.1.(4)(b) before describe how make-up air will be further tempered to at least OR b) Active Make-up Air delivered to an Occupied Archow make-up air will be tempered to at least 54°F (12°C).	and to at least 34°F (1°C) before entering unoccupied area. In of gross area per 2 cfm): Ition Dre transfer to occupied area: Show calculation and list 54°F (12°C).
Installer Certification: I hereby certify that the design and installation of the ventilation sys Print Name Signature Company Phone D Phone D Phone T T T T T T T T T T T T T	TECA Under Stamp Gurdeep S. Otal #VG-299 Checklist C2
© 2008 TECA Jan 08 4th Edition	teca Ventilation Guidelines 19

FKL Engineering Consultants Ltd.

3571 Worthington Dr. Vancouver, BC, V5M 3Y1 (c) (604) 618-0438

29 Jan., 2014

To: The Building Official City of White Rock City Hall, 15322 Burna Vista White Rock, B.C.

Re: 14423 Blackburn Cres., White Rock

(Sprinkler rough-in piping inspection report)

Please be advised that we have visited the above mentioned site and inspected the rough in installation of the sprinkler system. The system as installed substantially conforms to the design drawings as submitted to the municipality.

- Rough-in piping, OK
- Coverage, OK
- Box insulation, OK
- Hydrostatic Pressure test to 200 psi, OK

OK to cover.

Yours truly,

Fred Lee, P.Eng.

Fire Sprinkler Flow Verification Report

Address: 14423 Blackburn Cres., White Rock

FR 9112 (1754)

Sprinkler Permit Number:

Installation Contractor

NewTech Fire Protection, 778-999-7854

Date Tested

20-Jan-14

Criteria:

- System flow meets NFPA 13D requirements.
- System flow performed to listed sprinkler manufacturer's specifications.
- System (one/two head flow) meets or exceeds the required flow during summer low pressure.
- A dual check valve is installed.

Method:

- In accordance with City of Vancouver Bulletin 91-9, Sprinkler Flow Verification Test for One and Two Family Dwellings.
- Flush and drain the system at the station. Remove the two most remote heads (identified by the sprinkler system designer) and install gauge & test piping assemblies containing sprinkler orifices of the exact type specified for the system.
- Flush the system again at the two remote head locations for about 15 seconds without any sprinkler orifice attached.
- Reinstall the sprinkler orifices, allow flow from the most remote head into the test bucket for 30 seconds, record static and residual pressures, and quantity of water in the test bucket.
- Repeat the procedure for the two most remote sprinkler heads simultaneously.
- Calculate the Adjusted Flow at summer low pressure and determine if test results meet the system design criteria.

Information:					
Winter	Summer Static	Estimated		Fire Booster Pump	Valve
Static (psi)	(psi)	Residual (psi)			Installed
	70	61	psi (@ 36 usgpm)	na	yes

One Head Flow (30 seconds)

	Listed Sprinl	kler Specifica	tion :					
Test Head		Make	Model	Туре	K Factor	Coverage (ftxft)	Min. Required Flow/Pressure (usgpm @ psi)	
#1		Tyco LFII	Ty2334	Sidewall	4.4	14x14	14@10.2	
	Field Measur	ement & Adju	sted Flow					
	Gauge Height above City Conn. (ft)	Static Gauge (psi)	Static Gauge with Pump (psi)	Residual Gauge (psi)	Water Flowed (litre)	Measured Flow (usgpm)	Adjusted Flow (usgpm)	Test Result
		72	NA	30	47	24.8	24.8	Passed

Two Head Flow (30 seconds)

	Listed Sprink	der Specifica	tion :					
Test Head		Make .	Model	Туре	K Factor	Coverage (ftxft)	Min. Required Flow/Pressure (usgpm @ psi)	
#1		Tyco LFII	Ty2334	Sidewall	4.4	14x14	14@10.2	
#2		Tyco LFII	Ty2334	Sidewall	4.4	14x14	14@10.2	1
	Field Measur	ement & Adju	sted Flow					1 .
Test Head	Gauge Height above City Conn. (ft)	Static Gauge (psi)	Static Gauge with Pump (psi)	Residual Gauge (psi)	Water Flowed (litre)	Measured Flow (usgpm)	Adjusted Flow (usgpm)	Test Result
#1		72	NA	15	33	17.4	17.4	Passed .
#2		72	NA	14	31	16.4	16.4	Passed

FKL Engineering Consultants Ltd.

3571 Worthington Dr., Vancouver, BC, V5M 3Y1 Tel: (604) 618-0438

Fax: (604) 435-3181

Dated:

29-Jan-14

Quality System Manager

FALEE ROOMESS

This report may not be reproduced excepted in full and with prior written approval from FKL Engineering Consultants Ltd.

FKL Engineering Consultants Ltd. is accredited by the Standards Council of Canada as a testing laboratory for Sprinkler Flow Verification Test for One & Two Family Dwellings



PLANNING AND DEVELOPMENT SERVICES

15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

Inspection Report

City Hall, White Rock, B.C.

Tel: 604-541-2136

Fax: 604-541-2153

NAME:	Redacted 5. 22	PERMIT No.: 13.036
ADDRESS:	14423 Blackburn Cas	SHEET No:
TYPE OF I	NSPECTION: Fina Sprinkly	DATE: M 30/14
AREA OF I	NSPECTION:	
	- 12	
	200 psi test witnesse	(.
	1) O.K. to cover raport rai	rviad
	2) How vactuation proper	(1)
	3) All electrical wiring of Separated with battinsula	75. ppi to be
	Superated with battinsvai	tion + rad taped.
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	211	
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SIGNATUR	E: INSPECTOR	
	n this form when the work is completed and return to the abo	ve department.



PLANNING AND DEVELOPMENT SERVICES

15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

Inspection Report

City Hall, White Rock, B.C.

Tel: 604-541-2136 Fax: 604-541-2153

NAME:	Redacted 3. 22	PERMIT No.: 13.636
ADDRESS	INSPECTION: Plumbias	SHEET No:
TYPE OF	INSPECTION: Plumbiac	DATE: Jan 10/14
AREA OF	INSPECTION:	
		•
	200 psi test Witnessed	
	Waterlines Argrand trap to it witnessed Ret/Dak proving total	
	trap toit withersel	
	Retiport prairie total	4.000.00
		. 4 / 11
	* Site to be chand up	before further
	inspidions can take p	Place
	•	•
		·
		41
		12/1/
SIGNATUR	RE: INSPECTO	OR / / /
DATE:		
Please sig	n this form when the work is completed and return to the ab	ove department.

Original - Customer

Yellow - Inspector

THE CORPORATION OF THE CITY OF WHITE ROCK

15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6 Telephone: (604) 541-2136 Fax: (604) 541-2153

Permit Number: 6611

Date: DC 12/13

Goldenrod - B.C. Assessment

APPLICATION FOR PLUMBING/SPRINKLER PERMIT

Location of Wo	rk: 14	422	B	adel.	WW.	Cr.	<u> </u>	ccupano)		SE)	_Type of	f Work: I	Vew ☑ ′	Existing	☐ Addit	ional 🗌
Owner:	Jew	Irch	Fire	trof	ection	/// Pr	none: \overline{Z}	8.99	ig-78	54 Bu	siness Lic	ence: Ye	s: <u>/ N</u>	o:A	pplied Fo	r:	
	,		. 1	(,	•						•	
Floor	Water Heater	Urinals	Water Closets	Wash Basins	Bath Tubs	Showers	Kitchen Sink	Bar Sink	Dish Washer	Wash Tubs	Automatic Washer	Floor Drains	Hose Bibs	Sump	Double Check Valve	Sprinklers	Other Fixtures
Basement		-														8	
Main			·													13	
Second																16	·
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Fourth				·				•	-			1.					
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Water Service S	Size:	17-		Total Fixt	ure Units	3	7	Tota	al No. of F	ixtures:	27-7	PERM		\$/2	8/9	多言	200
antich	<u> </u>					· ———				,	02 /	1///			/		
Signature (Appl And I agree to	licant)	o all requ	uirements	of the "C	itv of Wh	nite Rock	Buildina	By Law"	,		Signatur	e (Buildi	hg/Offici				-
COMMENTS: _											5	<u> </u>		· · · · · ·		-	· · · · ·
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Pink - City of White Rock



PLANNING AND DEVELOPMENT SERVICES

15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

Inspection Report

City Hall, White Rock, B.C. Tel: 604-541-2136

Fax: 604-541-2153

NAME:		PERMIT No.: 15.036
ADDRESS:	14423 Bladdown (ras	
TYPE OF I	NSPECTION: Ext Frame	DATE: 0ct 29/13
AREA OF II	NSPECTION:	
	1) Rat deck staircase + ro vantilated "or" Insulate	of over to be
	vantilated "or" Insulate	about sheating
<i>1</i> 1.	2) Rooting raport raquirad	
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	·	
SIGNATUR	RE:INSPECTO	OR:
DATE:		
Please sign	n this form when the work is completed and return to the ab	ove department.



PLANNING AND DEVELOPMENT SERVICES

15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

Inspection Report

City Hall, White Rock, B.C.

Tel: 604-541-2136 Fax: 604-541-2153

NAME:	Redacted S. 2	<u> </u>	PERMIT No.: 13.026
ADDRESS:	14423	Blackbarn	SHEET No:
TYPE OF INSE		• .	DATE: Sgot 26/13
AREA OF INSE	PECTION:		V /
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		<i>F</i>	proved
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			-
-			
SIGNATURE:		INSF	PECTOR
		work is completed and return to	the above department.



PLANNING AND DEVELOPMENT SERVICES

15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

City Hall, White Rock, B.C. Tel: 604-541-2136 Fax: 604-541-2153

Inspection Report

NAME: _	Neuacieu 3, 22	PERMIT No.: 13.034
ADDRESS	: 14423 Blackburn	SHEET No:
TYPE OF	INSPECTION: Height	DATE: Sept 17/13
AREA OF	INSPECTION:	
Horse	Meximum	permitted height 38.71 m
	basement o	81.10
	main 132	7.61 m
	uppir phy 123	(299.5 indus)
	dell gards 42	
	297	
	at inches under m	aximum height
TAKES	4	,
	MAXIMUM ,	sermitted hight 85.40 m
		81.79
	Walls 109	3.6/m
	truss 30	(140.25 inches)
	139	
	34 inches under	maximum hight
		Append
OLONATI :		INODESTOR
SIGNATUF	HE:	INSPECTOR:
DATE:	The second secon	VV

Please sign this form when the work is completed and return to the above department.



PLANNING AND DEVELOPMENT SERVICES

15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

Inspection Report

City Hall, White Rock, B.C.

Tel: 604-541-2136 Fax: 604-541-2153

NAME:	PERMIT No.: 13.036
ADDRESS: 14423 Blackbyrn	OUEST No.
TYPE OF INSPECTION: plumbing	DATE: SAPT 16/13
AREA OF INSPECTION:	
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K Maximum permitted her Call for height check ins	petron
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Λ	<u>΄</u> Λ Ι
Above + below slob DW	Approved
Recall for poly	
	-
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States to Milk	
SIGNATURE: INSPECTO	R:
DATE:	

Please sign this form when the work is completed and return to the above department.

Reference Sheet

Project Reference Sheet

Thermal Environmental Comfort Association of BC TECA Hydronic Technical Committee, July 2009

DATE ANGTHIS	REVISION: JOB	#	· -	nic Designer Stamp
CONTRACTOR:	DEUM PWMBI	NG	ल	Hydronic System Des gn
SUBMITTED BY: VISI	on designs	TECA CERT# 02-2	>	Loveleen Atwa
PROJECT: IMUQ	3 BLACKBURN			Signature

*****			· • · • · · · · · · · · · · · · · · · ·		·····
Service Constitution					
200	ومالك الماكلة القائلة	A			·
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	310111	Cummary	a Julieuule	System Diawing Number	
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SOUTH SELECTION					

A Samuel Control of the Control of t			
	Pump Schedule	3	
No.	MODEL	GPM	Ft/Hb
PI	WIWFX16	6.06	4-01
P2_			10-66
PB		600	પ.ા

	X		

	BOILER LOAD	SUMMAR	Y
SYSTEM	LOAD	ΔΤ	SUPPLY TEMP
Baseboard			
Radiant	60591	ao	132°F
Domestic	60000	20	17015
Fan Coil			
Hot Tub			
Pool			
Other			

Pipe Carrying Capacities at 20°F

Note: Flows based on Max 4 feet head loss/100 ft (500 milinch), velocity of 2-4 fps

Table 1: Type "M" Copper Pipe

Size	BTU/Hr	KW	USGpm	V/fps
1/2"	16,000	4.5	1.60	2.00
3/4*	38,000	11	3.80	2.40
•	75,000	22	7.50	2.75
1-1/4"	120,000	35	12.0	2,95
1-1/2*	200,000	58	20.0	3.50
2*	400,000	118	40.0	4.05

Table 2: Schedule 40 Steel Pipe

Size	BTU/Hr	KW	USGpm	V/fps
1/2"	14,000	4	1.4	1.47
3/4"	32,000	9	3.2	1.90
1"	60,000	18	6	2:25
1-1/4"	120,000	35	12	2.55
1-1/2"	180,000	53	18	2.80
2"	360,000	105	36.	3.45

Table 3: Crosslinked Polyethylene Pipe

					•
	Size	BTU/Hr	KW	USGpm	V/fps
	1/2"	12,000	3.5	1.20	2.10
	5/8".	18,000	5	1.80	2.25
.,	3/4"	28,000	8	2.80	2.50
	1"	55,000	16	5.50	2.95
•	1-1/4"	90,000	26	9.00	3.20
	1-1/2"	140,000	41	14.00	3.60
	2"	300.00	-88	30.00	4.50

Important System Notes

- 1. The temperature control device shall be automatically controlled using a supply water temperature sensor.
- 2. Purge valve assembly may be located as shown or in other effective location.
- 3. A pressure relief bypass valve is required if circulator can operate when all zone valves are closed. Pressure relief bypass shall be sized for a minimum of 30% of the system flow.
- 4. Automatic make-up water may not be required if low-water cut-off is used.
- 5. All injection piping to be sized as per manufacturer instructions.

- 6. A properly sized pressure relief valve to be installed as per code requirements.
- 7. Injection control may be by on/off pump, motorized zone valve or non-electric valve with controller.
- 8. Individual zone control may be accomplished with the use of zone valves or circulators.
- 9. In case a low water temperature condition exists, an aquastat or control sensor to close down the low temperature heating zones until return water temperature reaches acceptable limits must be used.
- 10. Flow through manifolds (such as those used in radiant heating systems) may be controlled by zone valves.

circulators or individual loop actuating motors.

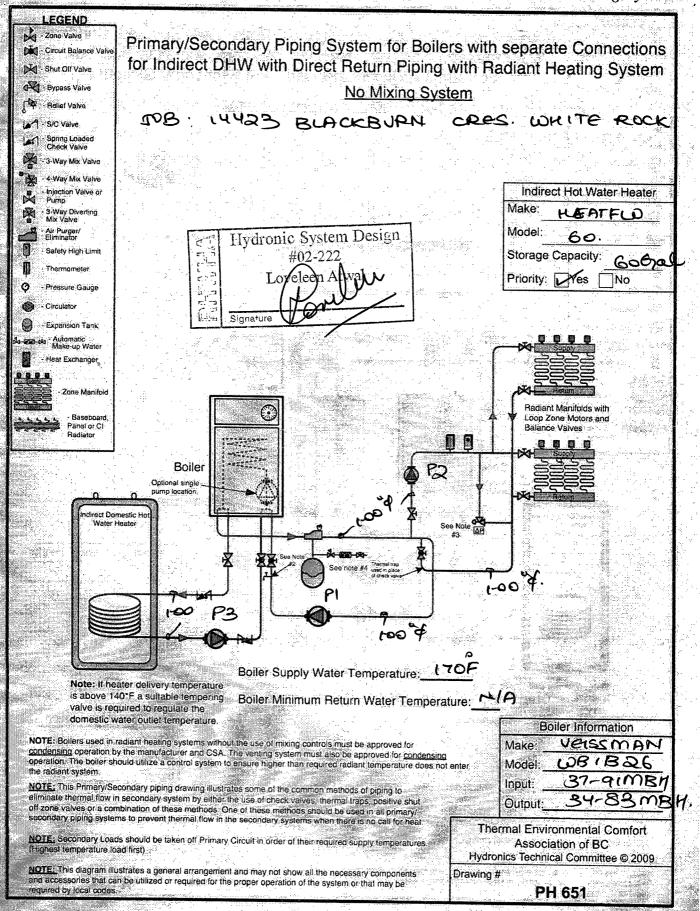
- 11. If boiler is not supplied with a manufacturer installed temperature gauge, a suitable temperature gauge must be installed in the outlet piping of the boiler.
- 12. Steps must be taken to prevent thermal circulation from occurring in all secondary circuits of a primary/ secondary system by using either check valves or heat traps (or a combination of these devices).
- 13. Primary pump may be located as shown or may be located in the primary loop after the secondary system piping take-off.

RECEIVED

AUG 122013

CITY OF WHITE ROCK DEVELOPMENT SERVICES

No Mixing System.



RECEIVED

AUG 122013

CITY OF WHITE ROCK DEVELOPMENT SERVICES

Layout	oun	ımary	- inspe	ectio	n snee	et		Program space	ing overridder	Location unli	sted	
Date:		AUG 7,13					Doolesses	Lovaloen A	twol			
			VOLIDAL CDE	-				Lovgleen A	lwai	00,000		
roject Name:			KBURN CRE	:5			RHWHA #:	Dec et Diver	hinn 0 11nn	02-222		
ity:		WHITE ROC						Preet Plum	bing & Hea	ling Lta.		
Address:		14423 BLAC	KBURN CRE	:S.			Branch:	0				
							License #	1052-02BC	Version:	A 2.0		
Boiler capacit		min:	60591				Boiler tem	p. [C] / [F]	180	[degr F]		
irculating pu			6.06	ft head:	10.66						<u>. </u>	
Circulating pu	mp basel	ooard:	0.00	ft head:	0.00		Total # of	oops:	18	manually c	hosen	111
IRF supply w	ater temp	.[degr C]	55.60	[degr F]	132.08		longest lo	op [ft]:	260.91	-		
Room	·-	Floor area	unheated	Zone	pipe size	max centre	min#	pipe length	Heat loss	Heat supply	[ft] of	supp.heat
name	c/w	[sqft]		#	[inch]		of loops		[BTU/h]	[BTU/sqft]HRF		BB [BTU/h]
			area [sqft]			space[inch]	or roops	/ room[ft]				
BDRM#1	0	180.0	0.0	1	1/2	12.0	1	217	3293	18	0	0
CLSOET	BDRM#1	10.0	0.0	1	1/2	12.0	0	0	45	4	0	0
BATH	BDRM#1	40.0	20.0	1	1/2	9.0	0	27	598	30	0	0
BDRM#2	0	240.0	0.0	2	1/2	12.0	2	240	4691	20	0	0
ENSUITE	BDRM#2	72.0	20.0	2	1/2	9.0	0	69	960	18	0	0
3DRM#3	0	195.0	0.0	3	1/2	12.0	2	195	3247	17	0	0
BATH	BDRM#3	72.0	20.0	3	1/2	9.0	0	69	1426	27	0	0
IALLWAY	BDRM#3	48.0	0.0	3	1/2	12.0	0	48	296	6	0	0 -
M.BDRM	0	300.0	0.0	4	1/2	12.0	3	300	4620	15	0	. 0.
ENSUITE	M.DBRM	195.0	30.0	4	1/2	9.0	0	220	3246	20	0	0
NIC,	M.BDRM	135.0	0.0	4	1/2	12.0	0	135	1270	9	0	0
HALLWAY	M.BDRM		0.0	4	1/2	12.0	0	30	183	6	0	0
		306.0	0.0	5	1/2				5629	18	0	
AMRM	. 0			4		12.0	4	306				0
NOOK+KIT	FARM	456.0	40.0	5	1/2	12.0	0	: 416	4909	12	0	0
S.KIT	FAMRM	120.0	20.0	5	1/2	9.0	0	133	2152	22	0	0
POWRM	FAMRM	60.0	10.0	5	1/2	9.0	0	67	796	16	0	0
DINRM	. 0	270.0	0.0	6	1/2	12.0	3	270	5080	19	0	0
FOYER.	DINRM	168.0	0.0	. 6	1/2	9.0	0	224	3623	22	0	0
LIVRM .	DINRM	289.0	0.0	6	1/2	12.0	0	289	5121	18	. 0	. 0
RECRM	0	320.0	0.0	7	1/2	12.0	2	320	4535	14	0	0
LAUNDRY	RECRM	112.0	0.0	7	1/2	12.0	0	112	1087	10	0	0
BDRM	0	156.0	0.0	7	1/2	12.0	1	156	3074	20	0	0
BATH	BDRM	40.0	20.0	7	1/2	6.0	- 0	40	708	35	0	0
0	0	0.0	0.0	0	1/2	12.0	0	0	0	. 0	0	0
- 0	0	0.0	0.0	0	1/2	12.0	0	0	0	0	0	0
0		0.0	0.0	0	1/2	12.0	0	0	0	0	0	0
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0		0.0	0.0	0	1/2	12.0	0	0	0	0	0	0
0	0	0.0	0.0	0	1/2	12.0	0	0	0	0	0	0
Note:	Rooms	n different z	zones shall n	ot be cor	nbined in the	e same loop !!	-	<u> </u>			-	
Note:	Pipe size	es:			1						1	1
			ontinuos tul	bing shall	be:	Check if room	s have hee	n manually cor	nbined (look s	at sheet head a	t "Total #	of loons")
	1/4"	125 [ft]	3/8"	200 [ft]		300 [ft]	5/8"	400 [ft]	3/4"	500 [ft]		J. 130p3 /
7					L	ser spacing is		400 [10]	317	200 [11]	+	+
	And Cont	S Space TOW	CHOTTO MAXII	Certa	o apaces, cit	our spacing is	acceptable.	· · · · · · · · · · · · · · · · · · ·			+	+:
Heat Supply:			60591	<u> </u>	C	1	6059		Design temp	drop [degrF]	20	
0-14	1			s than 2		rd heater per i				1		
Selected R	HWHA	drawing #	:	<u> </u>	4.1	Hydron	C Syct	em Desig	rin i			
·					187, 13	11,0101	1100 0) 1	Contractor:			
	Mixing c	ontrol:			E 3		#1/2-1	22	DELTA PL	UMBING	1	T
	minamig 0											
	minking 0				17.	T.	veleen	A thysit A		1		

TALL

RECEIVED

AUG 122013

CITY OF WHITE ROCK DEVELOPMENT SERVICES



15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6 Telephone: (604) 541-2136 Fax: (604) 541-2153 Permit Number:

6524

Date: AUGUST 12/13

APPLICATION FOR PLUMBING/SPRINKLER PERMIT

Location of Wo	rk: <u>14</u>	423	3 1	BLAC	KBU	en c	<u> </u>	Occupan	cy:			_Type o	f Work:	New 📝	Existing	Addit	ional [
Owner:																	
Contractor:																or:	
Floor	Water Heater	Urinals	Water Closets	Wash Basins	Bath Tubs	Showers	Kitchen Sink	Bar Sink	Dish Washer	Wash Tubs	Automatic Washer	Floor Drains	Hose Bibs	Sump	Double Check Valve	Sprinklers	Other Fixtures
Basement	1	·	12	1	Į.			1		ľ	•	1	:	1 .		•	· .
Main			1	1		-	2										
Second			4	5	3	2									, .		
Ţhird					· · · · · · · · · · · · · · · · · · ·							-			-		
Fourth									:								
Fifth									,								
Sixth		:										-					
TOTAL	1		6	7	4	2	2	1	1	1	1	1		1			
Fixture Units					,												
Water Service	Size:	·-		Total Fix	ture Unit	s:		Tot	al No. of I	Fixtures:	28	PERM	IT FEE:	\$ 590	00/100	2	
	Drid	ha									BG Signatur	4 "					
Signature (App And I agree to	licant)	•		of the "C	City of W	hite Rock	Building	By Law"	1		Signatu	re (Buildi	ng-Offici	ai) C	ok.		
COMMENTS:	·.	, ,					a			1		*		•			
		- ,`.							1								
Original - Cus	tomer			Yellow -	Inspect	or		Pi	nk - City	of White	e Rock	- Arrana	, .	Golde	enrod - I	3.C. Asse	ssment

MS PLUMBPER

590.00

CK 590.00 R:157682 / R:2013081201 / D:3226 1 Aug/2013 LORI



PLANNING AND DEVELOPMENT SERVICES

15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

Inspection Report

White Rock, B.C.

Tel: 604-541-2136 Fax: 604-541-2153

NAME: _	Redacted S. 22	PERMIT No.:	3.036
ADDRESS	: 14423 Blackburn	SHEET No:	
TYPE OF	INSPECTION: Draingy	DATE: July	26/13
	INSPECTION:	0 1	
	Rainlader		
_	Son outfall		
-			
المستسدد المستسدد	of Rainlenders to be po	operly bedded	+ Sopel
	Add foundation straps	4+ 3+ 10pm	AS?
	2) large rocks to be a	mound from up	against
	fundation wall		<u> </u>
			· · · · · · · · · · · · · · · · · · ·
	3) Sani ortfall to be to	sted	· · · · · · · · · · · · · · · · · · ·
		· · ·	25
		C 42 mg	
	Recall		., .:
			7
			/
SIGNATU	RE:IN	NSPECTOR:	
DATE:			
	gn this form when the work is completed and return	to the above department.	

FKL Engineering Consultants Ltd.

3571 Worthington Dr., Vancouver, BC, V5M 3Y1 (cell) 604-618-0438, (fax) 604-435-3181

24 July, 2013

Client: Alex Song, 778-859-5015

alexsong1212@gmail.com

C.C.

The Plumbing Inspector City of White Rock

To: The Builder of the following address:

Re: 14423 Blackburn Cres., White Rock (House Foundation Ground Water

- Sump & Pump Specifications)

Site Conditions

Estimated max. total dynamic head - 12 ft Estimated ground water incoming flow - 6 usgpm (based on 40% of 6000 sq.ft lot, one day max. rainfall 5")

Anticipated ground water seepage rate - normal

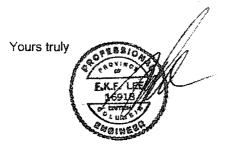
One Sump:

36" dia. Sump, minimum depth between the 4" PVC inlet to the sump bottom - 30"

One Pump or Duplex System(recommended):

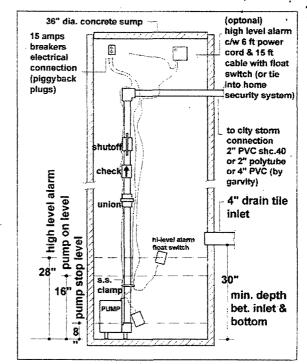
4/10 HP sewage /effluent pumps by Myers Pump, model SRM4 or approved equal, 115V c/w mechanical flow switch. cast iron housing & volute case, 2 " solid handling, rated capacity 45 usgpm @ 12 ft TDH

(At normal ground water flow) Estimated pumping cycles - 5 cycles per hour Estimated pumps running time - 2 minutes

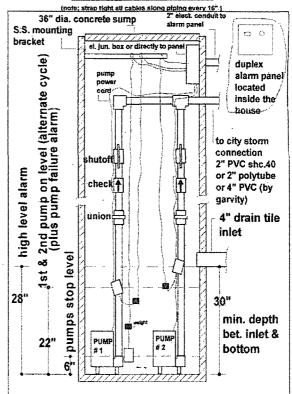


Fred Lee, P. Eng.

#325260, SM



REQUIRED INSTALLATION



RECOMMENDED INSTALLATION

(note: strap tight all cables along piping every 16")

Duplex Panel & Pumps Supplier Engineered Pump Systems Ltd. 1635 Industrial Ave., PoCo Tel(604) 552-7900, Fax (604) 552-7901



PLANNING AND DEVELOPMENT SERVICES

15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

City Hall, White Rock, B.C. Tel: 604-541-2136 Fax: 604-541-2153

Inspection Report

NAME:		PERMIT No.:
ADDRESS: _	14423 Blackburn Cas	SHEET No:
TYPE OF INS	14423 Blackburn (as SPECTION: Drainage (Partial)	DATE: July 23/13
AREA OF INS	SPECTION:	
	1's Domestic natur service 12" & Firespoonblar service	
	12" & Firespoon Var serici	
	Draintile	
	Storm sum	1
	Damprooting che paper	wrk
	0 11 1 2 1 1	
	Recall for Rainhaders	
	Storm connection Sani out XII To	7
	Jani ovitali 14	25/
	Engressed Stamp storm SV	no and do so mis.d
	CANADA SIONAS	The purpose of the second
CIONATUDE:	INSPECTO	
	INSPECTO	
Diament		

J&H DAWPPROOFING LTD.

Responsible Waterproofing

MANUFACTURERS RESIDENTIAL WARRANTY CERTIFICATE FOR DELTA® - MS

(SEVEN YEAR INSTALLATION - FIFTY YEAR PRODUCT)

Certificate #

Date of Installation:
The Manufacturer, COSELLA DÖRKEN PRODUCTS INC.
THE MAINTACHNEY, COSELLA DURKEN PRODUCTS INC.
Warrants that J & H Dampproofing Ltd. is Certified as an Approved Applicator in Western
Canada and further warrants that all requirements for installation according to the manufacturers
specification have been met as per the installation details of the dampproofing/drainage membrane
DELTA®- MS in accordance with the CCMC Evaluation Reports #12658-R. & 12788-R.
DEDCITE WITH IN ACCORDANCE WITH the COLVEC EVALUATION Reports #12000-10.08 12,00-10.
This warranty protects the applicator in lieu of hte limitations from the warranty. Wherever the DELTA®- MS is installed, a leakage warranty is enforceable.
TIME PERIOD: SEVEN YEARS (Transferable, Date of Installation)
Product warranty: 50 years (Transferable, Date of Installation)
In the event that you experience water genetration please call (604) 507-2916 and we will return your call within 24 hours.
The warranty is as follows:
The warrantv is as follows: The DELTA®- MS basement wrap water control system is to be free from defects in material and workmanship. Where the system has
been installed, no water shall pass through the basement walls.
This warranty shall be in effect for the period of SEVEN (7) YEARS from the date of Installation, and is fully transferable to future owners.
DELITA®- MS shall not rust, nor corrode and is warranted for a period of fifty (50) years.
The warranty contained herein shall not apply to condensation, any part of the system which has been repaired by a party other than the Certified Contractor, or has been altered in any way, or which has been subjected to misuse, negligence or accident.
Contractor liability under this warranty shall be lilmited to the replacement of any defective work, material, dry wall, insulation, and paint. Contractors shall be liable for no other damages or losses. Depending on the nature of the leakage, the applicator shall have the option of repairing from either the interior or exterior of the structure. Maximum liability shall not exceed \$3.00 per square foot of wall area covered
the DELTA® MS or \$10,000, whichever is lower.
Product must be used in locations where the foundation base is well drained in accordance with NBC 1995, Section 9.14.
This warranty is made in lieu of all other warranties expressed or implied and of all other obligations of liabilities on the contractor part.
This warranty does not cover:
The membrane damaged by natural disasters, including but not limited to lightening, gales, floods, hurricanes tornadoes, earthquakes, or circumstances deemed to be acts of God.
The membrane damaged by other trades on the site or by other materials during backfill.
Where it is found that the drainage pipe at the footing has been clogged and/or extreme unforseen hydrostatic (high water table)
pressure has occurred. The repair costs are to be born entirely by the builder/contractor.
Where the membrane was not installed at the area on the wall where leakage occurred.
Installation by a contractor who is not a certified applicator and/or not in accordance with manufacturer current instructions.
- 11
Signed: ; in the City of C.,
This $\sqrt{2}$ day of $\sqrt{14}\sqrt{-26/3}$
19-



THE CORPORATION OF THE CITY OF WHITE ROCK

PLANNING AND DEVELOPMENT SERVICES

15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

Inspection Report

City Hall, White Rock, B.C. Tel: 604-541-2136 Fax: 604-541-2153

PERMIT No.: 13.034 NAME: ADDRESS: 14433 SHEET No: _ TYPE OF INSPECTION: AREA OF INSPECTION: suran a Engineer apart racived SIGNATURE: _____ INSPECTOR:

Please sign this form when the work is completed and return to the above department.

OPTIMUM ENGINEERING CORP.

12968-66 AVENUE, SURREY, BC V3W 7H3 Tel: (604) 700-8153 Fax: (604) 543-4035

Date: July 11, 2013

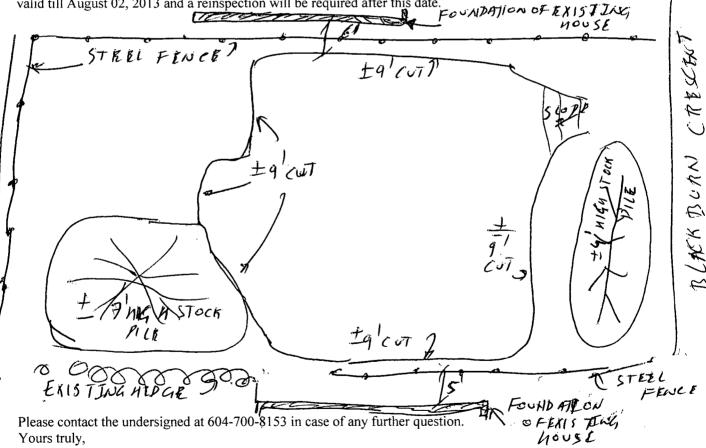
OEC Project#: RACC0G

The City of Surrey. 14245 - 56th Avenue, Surrey, BC. V3X 3A2

Attention: - Building Inspector.

Temporary Excavation for site address at: 14423-Blackburn Crescent White Rock, BC. Re: Dear Sir/Madam,

We have reviewed the temporary excavated cut to provide formwork at above-mentioned site, and found to be as per the following sketch. All cuts are safe under normal weather conditions. Machinery such as excavators and trucks shall be kept minimum 2.4m away from the top edge of cuts having height more than 1.2m. Poly vapor barrier has been provided as per sketch. Mr. Alex Song (Site Supervisor) will monitor the site periodically and inform us in case of any visually noticeable change in the site conditions. This report is valid till August 02, 2013 and a reinspection will be required after this date.



Optimum Engineering Corp.



OPTIMUM ENGINEERING CORP.

12968-66 AVENUE, SURREY, BC V3W 7H3 Tel: (604) 700-8153 Fax: (604) 543-4035

Date: July 11, 2013

File: RACCOG

The City of White Rock, 15322 Buena Vista Avenue, White Rock, BC. V4B 1Y6

Attention: Building Inspector

Dear Sir/Madam:

Re: Foundation Formwork for site address at: 14423-Blackburn Crescent White Rock, BC.

We have visited the site and reviewed the foundation formwork for single family dwelling at above mentioned site and noted as under:

- Top soil has been stripped off from footing areas and allowable bearing pressure found to be 1500psf.
- Sizes of footings and foundation walls are satisfactory.
- Reinforcement provided is adequate and as per site instructions.
- The formwork is ready for pouring concrete.

Please contact the undersigned at 604-700-8153 in case of any further question.

Yours Truly, Optimum Engineering Corp.

DIS. SIDAUS BEITISH

JUL 1 1 2013

B.C. LAND SURVEYORS CERTIFICATE OF LOCATION SHOWING CONSTRUCTED FORMS ON LOT 18 SECTION 10 TOWNSHIP 1

NWD PLAN 13899

PID: 009-864-512

SCALE 1: 250 DISTANCES ARE IN METRES

NOTE:

-DENOTES POUR STRIP ELEVATION (TYPICAL) ELEVATIONS ARE GEODETIC (2005) DERIVED FROM CITY OF WHITE ROCK CONTROL MONUMENT No. 88H3910 ELEV.=79.622m DATUM NAD83 (CSRC) 2005

Lot dimensions and clearances according to Field Survey.

This plan was prepared for inspection purposes and is for the exclusive use of our client. The signatory accepts no responsibility or liability for any damages that may be suffered by a third party as a result of any decisions made or actions taken based on this document. This documents shows the relative location of the surveyed structures and features with respect to the boundaries of the parcel described above. This document shall not be used to define property lines or property corners. All rights reserved. No person may copy, reproduce, transmit or alter this document in whole or in part without the consent of the signatory.

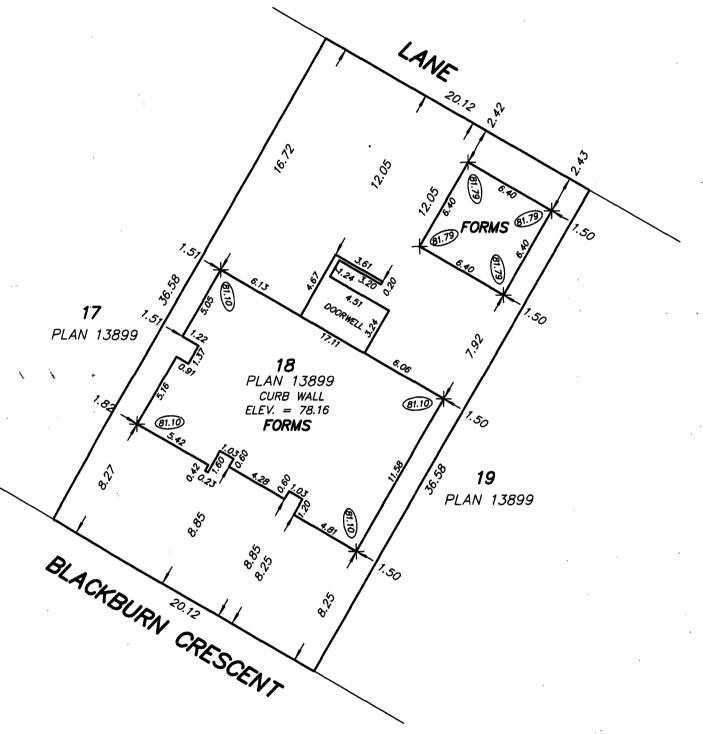
THIS BUILDING LOCATION CERTIFICATE HAS BEEN PREPARED IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE AND IS CERTIFIED CORRECT THIS 12th DAY OF JULY, 2013.

This document is not valid unless originally signed and sealed.

NOT SUITABLE FOR MORTGAGE PURPOSES

CIVIC ADDRESS :

14423 - BLACKBURN CRESCENT WHITE ROCK, B.C.



GREWAL & ASSOCIATES PROFESSIONAL LAND SURVEYORS

UNIT 204, 15299-68th AVENUE SURREY, B.C. V3S 2C1

TEL: 604-597-8567 EMAIL: Office@GrewalSurveys.com

FILE: 1301-006

DWG: 1301-006 CE2



THE CORPORATION OF THE

CITY OF WHITE ROCK

15322 BUENA VISTA AVENUE, WHITE ROCK, B.C. V4B 1Y6

DEVELOPMENT SERVICES DEPARTMENT TEL: (604)541-2136 FAX: (604)541-2153

BUILDING PERMIT INFORMATION SHEET

Civic Address: 14423	Black burn	Cres.	Zoning	1:_R5-1	
Legal Description: Lot (3 Sec 10 Tou	unship I Nu	VD Plan 138	399 PID:	-009-864-512
Site Statistics: Lot Area:	7920	Square Feet	•		
Lot Coverage: (Building footprint Including Any detached Structure)	Permitted: Percentage:_	45 %	Percentage	35	%
Setbacks: Permitted: Proposed:	North 24.61 North 55'	South 24.61 South 24.61	East 4.92	West 4.9	2'
Building Statistics:	,	·.			
Basement Floor Main Floor Upper Floor Registered suite Garage Other/Additions	961 2038 1919 441	Square Feet Square Feet	(2099)inc (- 91a irs		neas) · 18245F · Vet
Residential Gross Floor Area:	Permitted: Percentage:_	3960 50 %	Proposed:_ Percentage	3957 3, 50 49	1867 Mare
Driveway Slope:	Permitted:	15%	Proposed	d: 4.2	%
Owner Builder Declaration	& Disclosure I	Notice	Yes □	No	
Third Party Home Warranty - Name of Provider:		·	Yes ⊻	No	
Builder's Business License	e Number:				
Board of Variance granted	:		Yes □	No	Ø
Spatial Calculation include	ed:		Yes i⊄	No	
Property Adjacent to Wate	r Course or Ra	vine:	Yes् □	No	$ \angle$
Property falls within the Tr	ree Managemer	nt By-Law:	Yes ˈ□	No	Ą
, Xi Chen (CDS Che	'n Design Studi	o (td) certifiy	this informa	ation to be co	orrect.
Signature: Dlu			Date: 08	3 Fel 2	0 3

_WHIT	E ROC	K PLAN	NNING AND DEVELOP	
_ My	g City by the	Sea!	BUILDING	APPLICATIONS
Date:	0 6 2013	Site Address:		FEE SUMMARY File / Permit #: # 1 3 0 3 6
Applicant:	w Sma	-	Phone: 778 · 859 · 5015	Receipt #:
Address:	4 Song	· · ·	770 00 NO	Clerks's Initial:
Person/Compa	ny Who Paid the	Bond:		
GL CODE	iCity Code	CATEGORY	APPLICATION FEE	ADDITIONAL REFERENCE
Building Perm	nits			
02-1-050-058	BLDGPER	Building Application Fee	\$	
02-1-050-058	BLDGPER	Demolition Permit	\$	
02-1-050-058	BLDGPER	Plumbing/Sprinkler Permit	\$	
02-1-050-058	BLDGPER	Tree Permit Application Fee	\$	
02-1-050-067	RESTRICT	Restrictive Covenant	\$	
02-1-050-068	SECSUITE	Sec. Suite Reg. Fee	\$	
02-1-050-069	B&BREGIS	B & B Registration Fee	\$.	
02-1-050-058	SIGNPER	Sign Permit	\$	
02-1-013-028	COPIES	Miscellaneous Copies (Property File/Fiche)	\$	
Bonds/Securi				
02-4-250-876	BONDLAN	Landscaping Bond	\$	
02-4-250-881	BONDTREE	Tree Protection Bond	\$	
02-4-250-881	BONDTREE	Tree Replacement Bond	\$	
02-4-255-889	TREEFEE	Tree Replacement Fee	\$,
02-4-250-875	BONDRD	Road & Right of Way Bond	\$	
02-1-115-067	RDRWINSP	Road & Right of Way Permit	\$ 100-	
04-1-112-065	SANITCAP	Sanitary Sewer Cap Fee	\$	V
04-1-112-065	SANITCF	Sanitary Sewer Connection Fee	\$	УISA R:156141 Jun/2013
06-1-118-065	STORMCA	Storm Sewer Cap Fee	\$	
06-1-118-065	STORMCF	Storm Sewer Connection Fee	\$	/ B:2013061302 LORI
02-4-250-878	BONDSID	Sidewalk Café Bond	\$	<u>0</u> 136
02-4-250-877	BONDOCC	Occupancy Bond	\$	201306130
02-4-250-880	BONDMIS	Miscellaneous Bond	\$	
		Misc. Account (need to enter approp. GL #)	\$	1100.00 11:3185
		(1.000 to office appropriot of 17)	10 -	185
Total			(OO \$0.00	-
			Prepared by:	just 1

15322 BUENA VISTA AVE WHITE ROCK, BC V4B 1Y6

Telephone: (604) 541-2139 Fax No.: (604) 541-2153



"City of White Rock Licence Bylaw No. 1510" BUSINESS LICENCE

LOCATION OF BUSINESS:

LICENCE EFFECTIVE:

FROM: 01-May-2013

TO: 30-Apr-2014

NAME AND ADDRESS OF BUSINESS:

LICENCE NO.: 21469

RUILIDA CONSTRUCTION LTD

CUSTOMER: RUILID01

10931 RYAN RD

RICHMOND, BC V7A 2G5

Licence Fee:

175.00

BUSINESS DESCRIPTION: BUILDING CONTRACTOR

THIS IS TO CERTIFY THAT THE LICENSEE IS ENTITILED TO CARRY ON SUCH BUSINESS AS INDICATED WITHIN THE CITY OF WHITE ROCK IN A LAWFUL MANNER AND IS ISSUED SUBJECT TO THE PROVISIONS OF ALL BYLAWS IN EFFECT IN THE CITY OF WHITE ROCK

THIS LICENCE MUST BE POSTED IN A CONSPICUOUS PLACE ON THE PREMISES

CASH REGISTER IMPRESSION CONSTITUTES OFFICIAL LICENCE



c/o

NAME AND ADDRESS OF INSURED:

RICHMOND BC V7A 2G5

RUILIDA CONSTRUCTION LTD

0828 1101547

10931 RYAN RD

supersedes any previous declaration bearing the same number for this policy period.

12:01 A M, STANDARD TIME AT THE ADDRESS OF THE NAMED INSURED AS STATED HEREIN

POLICY PERIOD:

FROM

TΩ

JUL 13,12 JUL 13,13 POLICY NUMBER:

M 1101547 VANCOUVER

WORLD INSURANCE SERVICES LTD SUITE #2, 7100 RIVER ROAD RICHMOND, BC V6X 1X5

TEL. FAX

(604) 606-3388 (604) 606-3399 0108282

COMMERCIAL LIABILITY COVERAGE SECTION

AMOUNTS OF INSURANCE

5,000,000 GENERAL AGGREGATE . PRODUCTS - COMPLETED OPERATIONS AGGREGATE ... \$ 2,000,000 2,000,000 2,000,000 100,000 MEDICAL PAYMENTS - ANY ONE PERSON \$ 5,000 NON-OWNED AUTOMOBILE \$ 2,000,000

DEDUCTIBLE: PROPERTY DAMAGE LIABILITY

PER CLAIM

1.000

PER OCCURRENCE

LOCATION OF ALL PREMISES YOU OWN, RENT OR OCCUPY

CLASSIFICATION RESIDENTIAL GENERAL CONTRACTOR

CODE NO 1811-01

PREMIUM BASIS RECEIPTS: \$4,000,000 RATE VRS

ADVANCE PREMIUM \$2,800

INCL

EXCLUDED

NON-OWNED AUTO HIRED AUTO **EXCLUSIONS:**

TOTAL POLLUTION

EXPLOSION & COLLAPSE

TOTAL PREMIUM \$ 2,800

FORMS/ENDORSEMENTS APPLICABLE

CL9300 CL9315

LIABILITY

CL9347

CL9352

CL9373

CL9345

300712 -PRINT DATE)

(CONT'D)



Assessment Department

Mailing Address PO Box 5350 Station Terminal Vancouver BC V6B 5L5 Location

6951 Westminster Hwy Richmond BC V7C 1C6 www.worksafebc.com Clearance Section

Telephone 604 244 6380 Toll Free within Canada 1 888 922 2768 Fax 604 244 6390

RUILIDA CONSTRUCTION LTD 10931 RYAN RD RICHMOND BC V7A 2G5 June 14, 2013

Person/Business:

RUILIDA CONSTRUCTION LTD

911316 - AA (011)

We confirm that the above-mentioned account **recently registered**, effective **May 20, 2010**, and its first assessment remittance to the Workers' Compensation Board is not yet due.

Contractor liability is outlined in Section 51 of the Workers Compensation Act.

Employer Service Centre Assessment Department

Clearance Reference #: 441546 CLRA5-7

1487060

Now you can get clearance letters, report payroll and pay premiums online.

Go to www.worksafebc.com

Please refer to your account number in your correspondence or when contacting the Assessment Department.



New Home Registration Form

The purpose of this form is to certify, for the purpose of section 30 of the Homeowner Protection Act, that a proposed new home is covered by home warranty insurance and built by a licensed residential builder.

			Form: 264655
A. BUILDER INFORMATION			
Licence Number: 33299	Expiry Date: July 31, 20	13	
Company Name: Ruilida Construction Ltd	1.		
B. PROPERTY INFORMATION		a jares lõja as s	
Civic Address: 14423 Blackburn Crescent			
City/Town: White Rock	Province: British Colum	bia ·	Postal Code: V4B 3A3
PID: 009-864-512			
Legal Description: PL 13899 LT 18 LD 36	SEC 10 TWP I	***************************************	,
Owner(s) of the Property: Redacted S. 2	22		AND ACCORDING MARKET TRANSPORT AND A THE TAX AND A STREET AND A STREET AND A STREET ASSESSMENT AS A STREET ASSESSMENT AS A STREET AS A STR
C. CONSTRUCTION INFORMATION			
Number of Dwelling Units: I	,		
Type of New Home: Single	•		
D. PROOF OF HOME WARRANTY INSUR	ANCE		
Certified and sealed by warranty provider:		Seal:	
Warranty Provider: Aviva Insurance Comp	pany of Canada		National
Builder Warranty No.: nhwb96622	and the second side emission is the contract of the contract o	rouse on turn to mentioned the sur-	Home Warranty
Insurance No.: NHWB96622-A20	adok ki ili se esta pengga pangan salamini se kamini mananan se salamini se si salamini se sa provinci de tek d	The contract of the contract o	. *
Warranty Provider Seal Date: March 28,	2013	in collection (III III III III III III III III III I	
E. BUILDING PERMIT INFORMATION			
To be completed by municipality or regional distr	rict and returned to the HPO:	Corpos	
Municipality or Regional District:		City of West	of the
Permit issued to: Alex Smg		Corporation City of White	Rock
Date Issued: (month/day/year)	1 7 2013	to a second contract of the second se	manufacture and the expellent the second of
Permit No.: 13-036 .	,		,
Correction to civic address, type of new	home or other information	on, if applicable:	



Notice of Construction

Planning & Development Services Department 15322 Buena Vista Ave., White Rock, B.C. V4B 1Y6 Phone: 604 541 2136 Fax: 604 541 2153 Website: www.whiterockcity.ca

Adjacent Properties:

14417 Blackburn Crescent

14433 Blackburn Crescent

A Building Permit will be issued and construction will be commencing soon next to your property At 14423 Blackburn Crescent.

Compliance with the current BC Building Code is required as well as all other City of White Rock's Bylaws and other enactments. Included with the information given to the applicant / builder along with the Building Permit and plans are WorkSafe BC requirements, to ensure a safe environment for construction workers as well as other members of the public.

The purpose of this notice is to inform you that the City of White Rock does not authorize any encroachments to neighbouring properties; the contractor and/or owner/builder is responsible not to encroach into or cause damage to neighbouring properties. Any encroachment or damage to the property is the responsibility of the contractor and/or owner/builder and any disputes resulting from this can only be resolved through civil litigation.

This notice is presented by the contractor:

Builder Name:

	, ,
Builder's E-mail:	alexsong1212@gmail.com
Owners:	Redacted S. 22
Owner's Address:	Redacted S. 22
Phone Number:	Neuacieu O. ZZ
Owner's E-Mail:	unavailable

Ruilida Construction Ltd. (Alex Song – Red

The neighbouring properties shall be notified by way of this notice prior to the start of construction by:

Contractor or Owner/Builder:	Hex SONG	T .	
Signature:	D.	ate: JUN 1	7 2013





Corporation of the City of White Rock HIGHWAY AND/OR RIGHT OF WAY USE PERMIT

Associated with Building Permit No. 13-036

Location of Work: 14423 Blackburn Crescent				
Effective Date: April 5, 2013 Expiry Date: April 5, 2014				
Owner:	Prime Contractor:			
Name:Redacted S. 22	Name: Alex Song			
Address:Redacted S. 22 Redacted S. 22	Address:			
Telephone 1:	Telephone 1: 778-859-5015			
Telephone 2	Telephone 2			

A. PERMISSION IS HEREBY GRANTED TO: Alex Song

to do the following work at the above location:

- Construct / improve driveway access from Blackburn Crescent Lane as per comments shown on site plan date stamped received March 28, 2013 and designed by Chen Studio Design Ltd. Driveway and Boulevard restoration must be completed to meet the completion requirements described below prior to the return of the \$2500.00 Security:
- Driveway access within the City Blvd (road edge to PL) to slope up a minimum 2%.
- Driveway from the property line to the garage slab to have a slope not exceeding 15%.
- Backfill under the driveway within the City Boulevard must be structural fill (3" minus material) compacted to 95% Modified Proctor Density.
- Driveway access width through the City Boulevard (road edge to PL) to be a maximum of 6.0m (min 4.5m).
- Driveway access through the City Blvd. may be asphalt or brick pavers. Concrete is not permitted.
- Walkway access from PL to Blackburn Crescent to be 1.5m in width and constructed of paver type material.
- Cost to remove, repair or replace curb, gutter, sidewalk, and letdown works to be borne by the owner/developer.
- No retaining walls or "landscape rock" are permitted on the City Boulevard.
- Remaining City Boulevard (road edge to property line) must be restored with a minimum 150mm of topsoil and sod.

• Any alterations or improvements on the City Boulevard must first be approved by the Engineering Department.

B. COMPLETION REQUIREMENTS

- For inspection please call 604-541-2181
- Note: A charge of \$100.00 shall be paid for each additional inspection made not mentioned above.

C. CONDITIONS OF PERMIT

- I hereby agree to abide by all the terms of this permit and the City's Street and Traffic By-law which pertain to this permit.
- I have deposited as security the amount of \$2500.00 with the City to guarantee the fulfillment of the conditions and completion requirements of this permit and of the Work within the time specified for the permit.
- I understand the City will return the security upon successful completion of this
 Work and if required a submission and acceptance of an as-built drawing (and
 after all City inspections are passed) minus any costs incurred by the City in
 respect of inspecting or rectifying the Work.
- I further agree to indemnify and save the City harmless against any and all claims, actions or expenses whatsoever or by whomsoever brought against the City by reason of the City granting me this City Road and Right of Way Use permit or by reason of the construction of the above-referred Work, including any matter that may arise under the Worker's Compensation Act, R.S.B.C. 1996, c. 492 ("the Act") and its regulations.
- This permit is not valid without insurance. The Corporation of the City of White Rock must be named as additional insured on policy for a minimum of \$5,000,000.00 liability. The Prime Contractor must be skilled in the work assigned, and must comply with the Act and its Occupational Health and Safety Regulations. The Prime Contractor must comply with the "BC Manual for Traffic Control for Work on Roadways".
- The Prime Contractor must have a valid City of White Rock business license.
- All works shall be completed in accordance with all current Corporation of the
 City of White Rock construction specifications and standard drawings. The
 Prime Contractor shall not employ or sub-contract with any party not skilled in
 the work assigned. As-built drawing may be required with the attached
 specifications prior to release of security.

PRIME CONTRACTOR'S DECLARATION AS PER WORKER'S COMPENSATION ACT

I/We acknowledge, in accordance with the provisions of the *Worker's Compensation Act*, R.S.B.C. 1996, Chapter 492 that I/we are the "Prime Contractor" and are qualified to act as the "Prime Contractor". I/we accept the duties and responsibilities for the coordination of health and safety in accordance with the *Act*. I/we will do everything that is reasonably practicable to establish and maintain a system or process that will ensure compliance with the *Act* and the Occupational Health and Safety Regulations made thereunder.

Issued By:

Name of Prime Contractor:

Constaution

Date:

ILIN 1 7 2018

Signature of Authorized Signatory:

FEES AND SECURITY

Security Amount - Paid at Demo

\$2500.00

Permit Fee

\$100.00

TOTAL \$100.00

Deposit Receipt No.:



Corporation of the City of White Rock - Public Works Department

BUILDING PERMIT #13-036

	•			
Address: 14	4423 Blackburn Crescent	Applicant:	Alex Song	
Legal Description:	ot 18, Plan 13899, Section 10, Townsh	ip 1, New Westminst	er Land District	
	tedacted S. 22	Phone #:	Redacted S	_
Date Filed:		Date Paid:	E	/P,
Date Installed:		Dute I aid.		160
				1/1/2
Sanitary Sewer Service	*Depth and Location are approx		as a guide only	,,,
Proposed Location:	100mm PVC service 1.2m		property co	orner or to 🔇
-	be determined at time of			
Approximate Depth:	To be determined during	installation		
Main Extension Required:	Yes 🗌 No 🔀			,
Remarks:	NOTE: Service Connection Fe subject to additional charges a Connection Bylaw No. 396 As Rock's Public Works Departn	s per the City of W well as confirmation	hite Rock's Se	wer
Cap-Off Fee	(\$100.00 if not collect	ted at time of De	mo Permit	\$100.00
Connection Fee	(\$2,500.00)			\$2,500.00
Inspection Fee	(\$100.00)			\$100.00
Total Cost for Sanitary Cor	nnection	Pai	d at Demo	\$2,700.00
Storm Sewer Service	*Depth and Location are approx	imate and to be used	as a guide only	/
Proposed Location:	100mm PVC service 1.0m be determined at time of	n from the lowest		
Approximate Depth:	To be determined during		•	
Tr	v			

Main Extension Required: Yes ∐ No ⊠ NOTE: Service Connection Fees are taken as a deposit only and may be Remarks: subject to additional charges as per the City of White Rock's Sewer

Connection Bylaw No. 396 As well as confirmation by the City of White Rock's Public Works Department.

If a gravity storm sewer connection cannot be established a restrictive covenant will need to be registered on the title of the property at the Land Title Office, identifying that the lot cannot be drained by gravity and must be serviced by a privately owned pump. The registered owner of the lot will be responsible for maintaining the pump system.

Cap-Off Fee (\$100.00 if not collected at time of Demo Permit \$100.00 Connection Fee (\$2,500.00)\$2,500.00 Inspection Fee (\$100.00)\$100.00 **Total Cost for Storm Connection** Paid at Demo \$2,700.00

Total Cost For Storm & Sanitary Services

\$5,400.00

General Requirements

- IF THE ABOVE LOCATION OF THE NEW SERVICE IS NOT WHERE THE OWNER / BUILDER WOULD LIKE THEY MUST REQUEST A NEW LOCATION THROUGH PUBLIC WORKS AND AN ADDITIONAL FEE WILL BE REQUIRED
- Owner / Builder must expose existing sanitary service at the property line for Cap-Off by Public Works Foreman. Failure to do so will result in denial for request of a Building Permit.
- All work must conform to the Corporation of the City of White Rock Standards and Specifications
- All inspections on private property to be carried out by the City's Building Department
- The owner / builder is responsible for maintaining and lowering the Inspection Chamber to no lower than finished grade. Any replacement / repairs to the Inspection Chamber must be done by the City and the costs will be charged
- All services will be installed at the lowest possible elevation, however, the City is not responsible for providing a gravity service. It is the owner's / builder's responsibility to connect at that elevation at property line whether by gravity or sump pump.
- The owner/builder is responsible to determine the minimum basement elevation of the works proposed, and is also responsible in determining if a restrictive covenant is required. MBE for gravity connections are determined to be 200mm above the existing grade of the road or the 100 year hydraulic grade line as determined by the owner/developer or their consultant.
- Notify Public Works Foreman (541-2181) two weeks prior to service installation to allow for scheduling of work

Date:	JUN 1 7 2013	Applicant's Signature: 🗴	4
		orks (5200 - 5799)\Permits, Boulevard Improver 6 (14423 Blackburn Crescent).doc - 4/5/2013	ments and Connection Sheets\5400-07-CONX (Storm and

From:

amarkovic@city.whiterock.bc.ca

Sent:

Monday, June 17, 2013 8:55 AM

To:

Carolyne Leveille

Cc:

Alan Markovic .

Subject:

Request for action - -14423 BLACKBURN CRES

Hi: Carolyne

Song, Alex at 14423 BLACKBURN CRES called on 2013-04-09

Telephone Number: Celiphone Number:

Inquiry Type:

Demo Permit

Action Requested:

History

Comments:

Cap-offs complete. Ok to release BP. AM

Additional Notes:

^{**} Click on the ADDRESS link to bring up the map.
Click <u>here</u> to enter the COMPLETION DATE after the job is done.



THE CORPORATION OF THE CITY OF WHITE ROCK

PLANNING AND DEVELOPMENT SERVICES

15322 BUENA VISTA AVENUE, WHITE ROCK, B.C. V4B 1Y6

Phone: 604-541-2136 Fax: 604-541-2153

APPLICATION FOR BUILDING PERMIT

Date: March 27 2013

I hereby apply under the provisions of "White Rock Building By-Law" and amendments thereto, for permission to build/alter the following: SFD no suite
(Copy of Plans of Proposed Building or Alteration to Accompany this Application)
Zoning: R, 5-1 Development Permit #
Legal Description: Let 18 Sec 10 TWP1 Plan 13899
Project Civic Address: 14423 Blackburn Cr. Survey Plan required No Yes
Survey Plan required No Yes
Are there any buildings already occupying any portion of said land?
What are they, and what are they used for?
Entire value, when completed \$ 693, 940.
Name and address of owner Redacted S. 22 Phone: Redacted S. 22 Email: Name and address of builder Al Ruilida Const. Ltl Alex Song 1093 (Ryan P.L. Richmod V7A 265 Phone: 778 859 5015 Email: Alex Song 1212 @ gmwil. com
Builder's Business Lic. #:
Name of project architect / engineer (if any)
Roll No. 882.000. Signature of Applicant
Print Name Alex SONG
Building Permit Fee: # 5, 950.99 And I agree to conform to all requirements of said By-Law.
Permit No: 13 036 The approval of the plans and the issuance of a permit shall not in any way relieve the owner of any building or structure from full responsibility for carrying out the work or having the work carried out in accordance with the requirements of all the applicable by-

MS BLDGPER

5900.00

MS COPIES

50.00

Sub-T

27/

5950.00

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R:152915 / B:2013032702 / D:3124

Mar/2013 LORI

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EDGE OF PAVEMENT 81.7ª Engineering Comments: Drivenay access approach off of Blackburn Cres. Lane. · Drineway access within the City Rind (road edge to A) to slape up'a minimum 21. from the road edge to PE. · Arrichary from the RE to garage slab to have a slope not excuding 15%. Backfill under the drueway within the Coly Blid must be structural fill (3" minus five drawing granular material) conpacted to 95% modified Proctor Auxity · Arrichay access through the City Rhot mist be asphalt **CTR** or brick pours. Concrete is not permitted. $\phi = 0.30$ ·Arrician access through the City RId (road edge to 12) cannot exceed 6. Cm in width (minimum 4.5m) · Cost to remare, repair, or replace curb, gutter, sidenalk or letdown works to be borne by the owner/developer. · No structures such as retaining nalls or "landscape rock" is permitted on the City Blid · Remaining, Goly flid must be restored with 150mm of top soil and sod Any alterations/improvements to the City 4'-0" 1'-0" morth lavorages nestring ariuper braveluos the Municipal Operations Department -Engineering Division at 877 Keil Streat. 604-541-2181. 17

EI

Building Permit ROW Checklist

Site Address: 14423 Rlackburn Cies.

Applicant/Authorized Agent/Prime Contractor: Alex Sang		
 Storm and Sanitary Connections (as per GIS data): 	Yes	No
Storm Connection: None existing - City to motal		X
Main Extension Required:		人
Applicant to confirm if pump required-covenant registered	X	
Sanitary Connection: Not on file - City to upgrade	T X	T
Main Extension Required:		X
2. Storm and Sanitary Cap-offs:		
Storm cap-off completed?		T &
Sanitary cap-off completed?		$\hat{\lambda}$
3. ROW Use Permit:		
Driveway access as per Street and Traffic Bylaw/Policy	X	
Driveway Relaxation (If granted, is covenant registered)		NA
4. Minor Improvements as per Bylaw/Policy	X	
walkury to Plackburn Road edgl -1.5m width-f 5. Retaining Walls Over 1.0m in height	gaver	_
Schedule B – Assurance of Professional Design and Field Review	Γ	
Form B - Proof of Professional Liability Insurance		1 1/4
Certificate of Liability Insurance		1 1/4
Engineer's Estimate of Works on City Property		
Schedule C-B – Assurance of Professional Field Review		J. WA
Prime Contractor to Provide:		, , ,
Certificate of Insurance - \$5 Million Liability Amount	- D.S. to	collect
Naming the City of White Rock as "Additional Insured"	•	
City of White Rock Business Licence	- A.s. to	cellect
WCB Clearance Letter	- A.S. to	collect

From:

Carolyne Leveille

Sent:

Thursday, May 16, 2013 3:48 PM

To:

Redacted S. 22

Subject:

RE: Subject: 14423 Blackburn Cres - Plan review issue

Kindly provide the City with two (2) new full size sets of working dwgs. signed and sealed by structural engineer in order to resume plan review.

Thank you kindly.

Regards,

Carolyne G. Léveillé, AT.AIBC Plan Checking Clerk Planning & Development Services Department p: 604-541-2144

f: 604-541-2153

e: cleveille@whiterockcity.ca

----Original Message-----

From: Redacted S. 22

Sent: Wednesday, May 15, 2013 10:13 AM

To: Carolyne Leveille

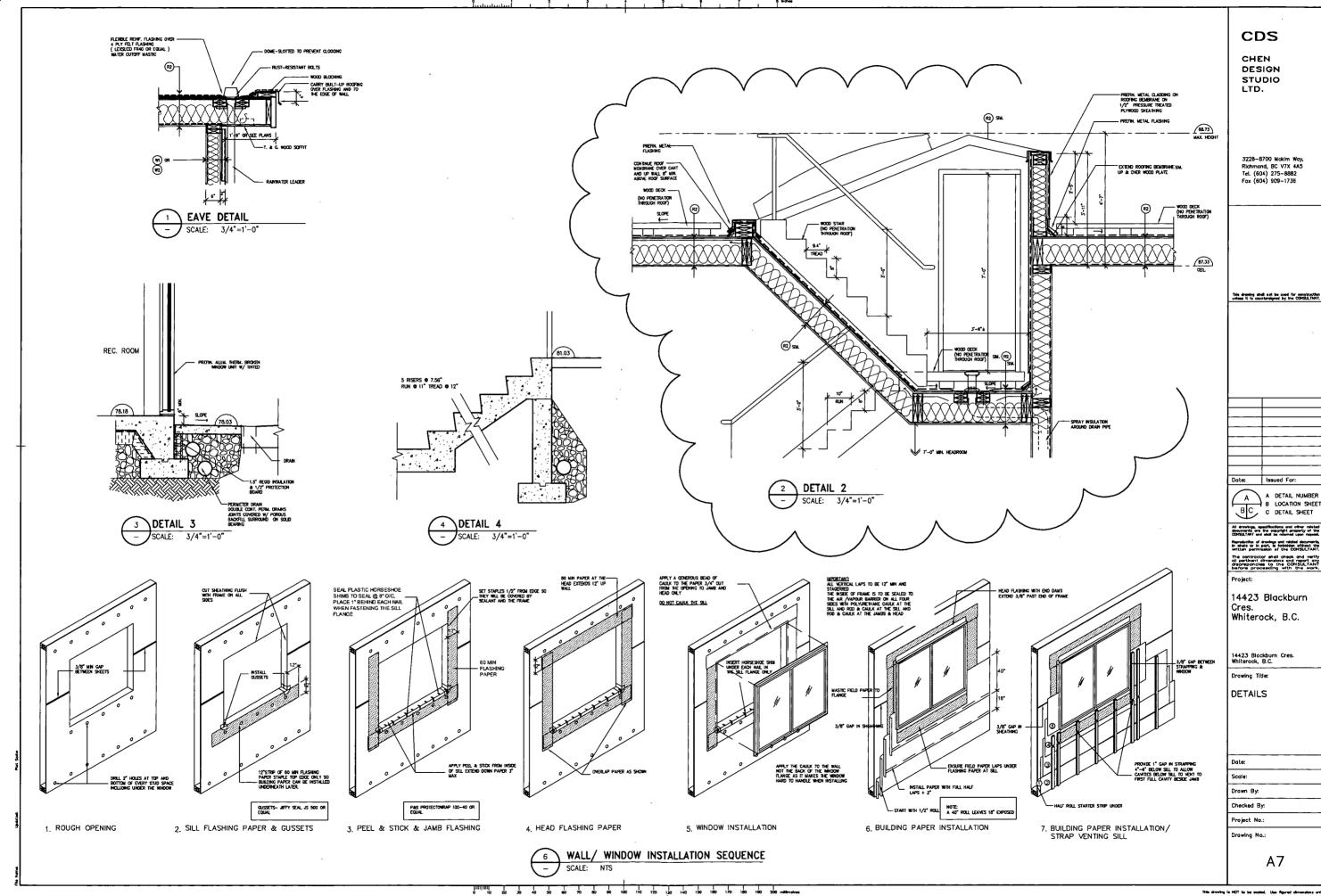
Subject: Subject: 14423 Blackburn Cres - Plan review issue

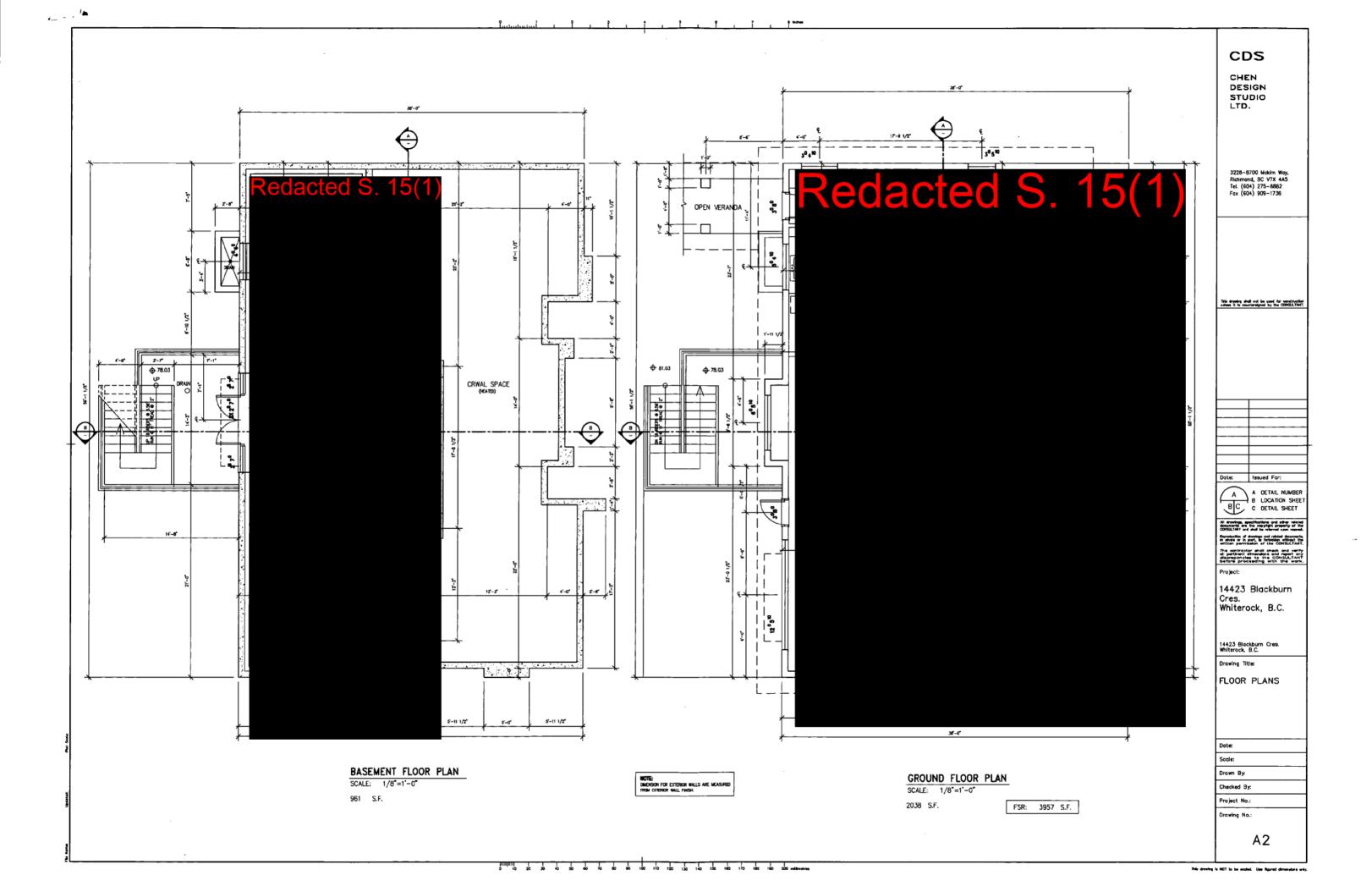
Good Morning Carolyne:

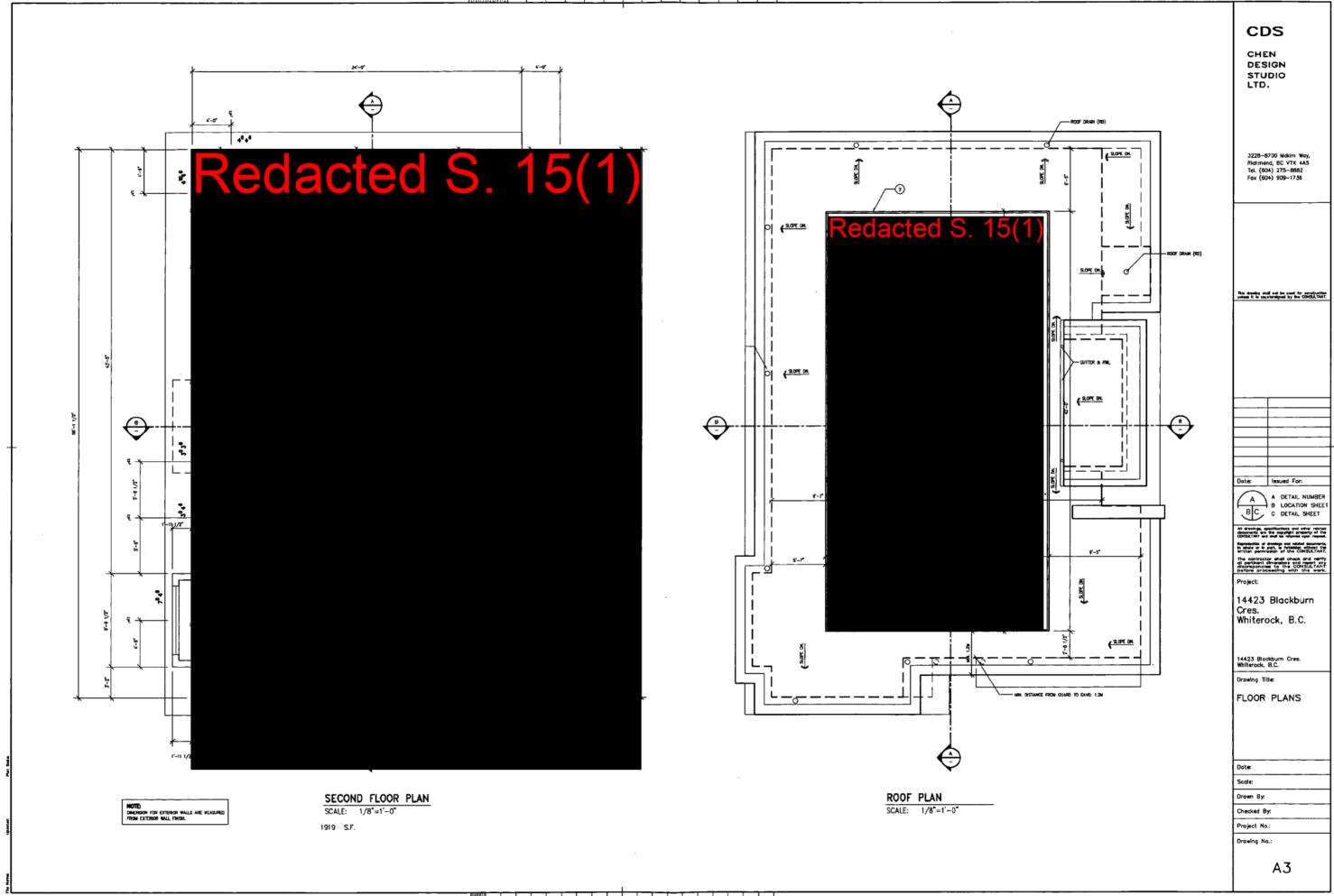
Please find attached revised drawings (for access to roof deck). Would you need more information or anything else, please let me know. Thanks.

Regards,

Redacted S. 22







1 CROSS SECTION 'A'-'A'
SCALE: 1/4"=1"-0"

7 A6 Redacted S. 15(1

CONSTRUCTION NOTES:

ROOF:

- RI. WALKING DECK MEMBRANE ON

 2 PLY TURCH-ON WATERPROOFING MEMBRANE ON

 1/2" T & G PLYMOOD SHEATHING SLIPE TO DRAIN ON

 24-5 SLEPPERS ON BODE (CUT TO SLIPE AT 1/4" IN 1"-0")

 ON 1000 JOSTS AT 16" (SEE STRUCT.). W/

 R-28 BROSONG AT 7"-0" MAX. W/

 R-28 BATT INSLATION ON

 6 ML POLY VAPOUR BARRIER

 1/2" Q.W.E(PANT FRISH)
- R2 5 PLY TAR & GRAVEL BURIT-UP ROOF ON 5/8" T & C PLYMODO SHEATHING ON 24 SLEEPERS ON BEDCE (CUIT TO SLOPE AT 1/4" M 1"-0") ON 24/2 WOOD JOSTS AT 16" O.C. W/ CROSS BRODGING AT 7-0" MAX. W/ P-22 BATT INSULATION ON 6 ML POLY NOUR BARREER 1/2" GUERPANT PRESSO)
- R3. METAL ROOF ON

 NO. 15 PERFORATED ASPHALT SATURATED FELT ON

 1/2" T & G PLYWOOD SHEATHING

 ROOF TRUSSES & 2" Q.C. (PREFABRICATED) OR ON

 RAFTERS & 16" Q.C. W/

 MAR. R-0 BATT RESULTION

 (MM. R-28 VOITED 1/150 FOR VALLED ROOFS)

 6 MAL POLY VAPOLIR BARRIER

 1/2" C.W.B.

NTERIOR:

W5 2x4 W000 STUDS @ 16" Q.C. (642" Q.C. IF IN BASEMENT) W/ 1/2" G.W.B. BOTH SIDES

FOUNDATION WALL:

- WE (O' ABOVE FIN. GRADE)
 5/8" TYPE "X" C.K.B.
 6 KIL POLY VAPOUR BARBER (NARM SIDE) ON
 225 WOOD STUDS AT 16" C.C. W/
 R-22 MORI DEFISITY F.F. BATT MISULATION
 1/2" MS 5PACE
 8" CSP COMC, FOUNDATION WALL
 W/ DAMPPROPRIES AT EXTERIOR FACE
 PARSE ALL EXPOSED COMCRETE
- W7 5/8" TYPE "X" Q.W.B
 8 MIL POLY VAPOUR BASISER (WARM SIZE) ON
 228 WOOD STUDS AT 15" Q.C. W/
 R-22 KICH OBERTY FF. BATT BISULATION
 1/2" AR SPACE
 8" CONC. FOUNDATION WALL W/
 2 COATS ASPHALT DAM PROOFING BOTH SIDES
 WATERPROOF MEMBRANE AND DRAMAGE MAT
 1.5" REGIO SISULATION
 1/2" PROTECTION BOARD
- NS (AT ACCESS TO BASEMENT_ S/6" TYPE "Y" CILUB 6 ME, POLY VAPOUR BARRIER (WARM SDE) ON 215 WOOD STUDS AT 16" O.C. W/ R-22 MICH DENSITY F.F. BATT DISULATION 1/2" ARE SPACE 6" COME, FOLMOLITION WALL

EXTERIOR WALL:

- WI FACE STONE (OR CULTURE STONE)

 (NESTALLATION METHOD PER MANUFACTURER'S SPEC.)

 PRESSURE-TREATED 1/2" X 2" PLYMODO MERTICAL STRAPPING

 (OVER STUDS BEHIND) WITH RIST RESISTANT FASTEMERS,

 SPACING TO CORRESPOND WITH STUD SPACING,

 2 LAYERS 30 MAINTE BUILDING PAPER, NOSTALLED IN SHOULE FASHON

 1/2" PLYMODO DETERMOR SPEATHON (STADDERED-LAP),

 28 WOOD STUDS AT 16" G.C. W/

 R-22 BATT INSULATION ON

 6 MIL, POLY YAPOUR BARRIER (WARM SIDE) ON

 5/6" TYPE "X" G.W.B
- WE PREFORMED INTERLOCKING METAL PANEL, RECTANDLE PATTERN BISTALLADOI FER MAMERACTURERS'S SPESIFICATION, PRESIDE—TREATED 1/5" X. "PLYBOOD VERTICAL STRAPPING (OVER STUDS BEHIND) WITH RUST RESISTANT FASTENERS, SPACING TO CORRESPOND WITH STUD SPACING. 2 LAYERS 30 MINUTE BULLING PAPER, BISTALLED OI SHINGLE FASHOM 1/2" PLYBOOD EXTEROR SHEATHING (STAGGERED—LAP). 203 WIDDO STUDS AT 16" C.C. W/ R—22 BATT RISALATION OF C.C. W/ R—21 PALY VAPOUR BARRIER (WARM SDC) ON
- WIS HANDE SOME ON

 PRESSURE-REATED 1/2" X 2" PLYWOOD VERTICAL STRAPPING
 (OVER STUDS BEHON) WITH RUST RESSTANT FASTENERS,
 SPACING TO CORRESPOND WITH STILD SPACING,
 2 LAYERS SO MAINITE BULDING PAPER, BISTALLED IN SCINGLE FASHON
 1/2" PLYWOOD DICTERING SPEATHING (STAGGERED-LAP),
 208 WOOD STILDS AT 16" O.C. W/
 R-22 BATT RESILATION ON
 1 ML POLY VAPOUR BARRER (WARM SIDE) ON
 1/2" C.W.B
- WHO SOME ON

 PRESSURE—TREATED 1/2" X 2" PLYMODD VERTICAL STRAPPING
 (OVER STUDS BEHIND) WITH RUST RESISTANT FASTENERS,
 SPACING TO CORRESPOND WITH STUD SPACING,
 2 LAYERS 30 MINUTE BUILDING PAPER, INSTALLED IN SHINDLE FASHON
 1/2" PLYMODD EXTERNOR PAPER, INSTALLED IN SHINDLE FASHON
 1/2" ROOD STUDS ATO IS "GLE, W/
 R-22 BATT INSILATION ON
 6 ML POLY APPOUR BARRER (WARM SDC) ON
 1/2" GLUS

FLOOR:

- FI FINISHED FLOOR (PER OWNER'S FINISH SCHEDULES), ON 1 1/2" 25 MPG CONCRETE TOPPING, C/N POLYPROPYLENE FIRRE, ON 5/8" T & G PLYMOOD SUBFLOOR, GULED/MALED ON WOOD GOSTS (SEE STROCT), N/ CROSS—GREDGING AT 7"-0" MAX. ON
- FZ 4" CONC. SLAB ON 6 MELPOLY V.B. CM R12 (UNDER EXTIRE SLAB) 6" COMPACTED SAND FILL

PERMETER DRAIN:

P1 6" GRAVEL (DRAIN ROCK) ON 4" DIAM. DRAIN TILES ARQUIND ALL BUILDINGS

CEDAR WOOD FOR ALL SOFFIT DOORS ON MAIN FLOOR ARE ALL 8'-0" HIGH.

CDS

CHEN DESIGN STUDIO LTD.

3228-8700 Mckim Way, Richmond, BC V7X 4A5 Tel. (604) 275-8882 Fox (604) 909-1736

This drawing shall not be used for construction unless it is countersigned by the CONSULTANT.

e Issued Far:

A DETAIL NUMBER B LOCATION SHEET

All drawings, specifications and other neisted documents are the coaryful for property of the CDSGL/ART and shell be returned upon respect. Representing of develops and related documents in shell or its part, in trabitions without the written permission or the CORSULTANT. The contractor shell check and verify all pertinents differentiates and report any dispression differentiates and report any dispression contractor shell before the CDRSULTANT before the contractor of the contra

Project:

14423 Blackburn Cres. Whiterock, B.C.

14423 Blackburn Cres. Whiterock, B.C.

Drawing Title:

SECTIONS & CONSTRUCTION NOTES

Date: Scale:

Drawn By:

Chacked By: Project No.:

Drawing No.:

A5

From:

Carolyne Leveille

Sent:

Thursday, May 09, 2013 11:48 AM

To:

alexsong1212@gmail.com

Cc:

Guy Gareau

Subject:

14423 Blackburn Cres - Plan review issue

Attachments:

SKMBT_C36013050911410.pdf

Good morning Alex,

Attached please find a scanned copy of the proposed roof hatch c/w plan review notes from the City for your coordination.

The roof hatch as proposed is NOT APPROVED and needs your immediate attention.

Please coordinate this e-mail with the designer as the City does not have his e-mail address.

Kindly provide revised dwgs. at your earliest convenience.

Thank you kindly.

Regards,

Carolyne G. Léveillé, AT.AIBC

Plan Checking Clerk
Planning & Development Services Department
p: 604-541-2144
f: 604-541-2153

e: cleveille@whiterockcity.ca

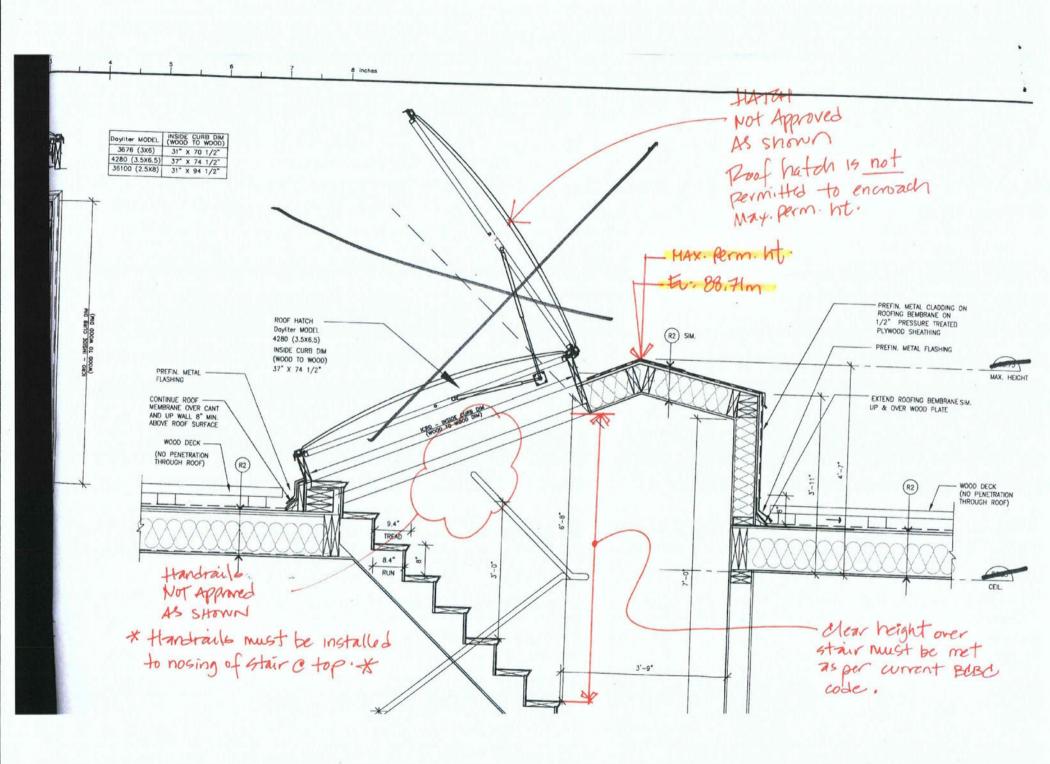


From: KonicaMinoltaC360@whiterockcity.ca [mailto:KonicaMinoltaC360@whiterockcity.ca]

Sent: Thursday, May 09, 2013 11:42 AM

To: Carolyne Leveille

Subject: Message from KMBT_C360



From:

Carolyne Leveille

Sent:

Thursday, April 04, 2013 10:20 AM

To:

'alexsong1212@gmail.com'

Subject:

FW: Message from KMBT_C360

Attachments:

SKMBT_C36013040410000.pdf

Good morning,

Thank you for your recent building permit application.

After a quick review the following items are required in order for the City to proceed with their formal permit review.

Kindly provide the following at your earliest convenience;

HPO form recld

 $\sqrt{2}$) \$5,000,000 liability insurance (please refer to attached comments) $\sqrt{2}$

Signed & sealed rainscreen details from the building envelope engineer — rew d

1) Insurance certificate from the sprinkler engineer expires on April 19th, City needs new valid certificate after April 19th (refer to attached) — reev d.

Thank you.

Regards,

Carolyne G. Léveillé, AT.AIBC

Plan Checking Clerk

Planning & Development Services Department

p: 604-541-2144

f: 604-541-2153

e: cleveille@whiterockcity.ca



From: KonicaMinoltaC360@whiterockcity.ca [mailto:KonicaMinoltaC360@whiterockcity.ca]

Sent: Thursday, April 04, 2013 10:01 AM

To: Carolyne Leveille

Subject: Message from KMBT_C360

From:

aotto@city.whiterock.bc.ca

Sent:

Tuesday, April 09, 2013 12:43 PM

To:

Aelicia Otto

Cc:

Carolyne Leveille

Subject:

Copy of Request for action - -14423 BLACKBURN CRES

You have received the following message because the sender put you in the cc list

Hi: Alan

Song, Alex at 14423 BLACKBURN CRES called on 2013-04-09

Telephone Number:

Celiphone Number:

Inquiry Type:

Demo Permit

Action Requested:

Report

Comments:

There are not any trees on city property to protect. Ok to release demo permit. (ao)

Additional Notes:

Click here to enter the COMPLETION DATE after the job is done.

^{**} Click on the ADDRESS link to bring up the map.



Authorization Form

Development Services Department 15322 Buena Vista Ave., White Rock, B.C. V4B 1Y6 Phone: 604 541 2136 Fax: 604 541 2153 Website: www.whiterockcity.ca

Civic Address:	14423	Blackbur	1 CR	
Legal Description:	PL 13899	LT 8 LI	36 SEC	10 TWP1
This document shall owner(s) of the proj ("Authorized Agent Land / Building Per	Il serve to noti perty describe ") to act on my mit Application erstand the app horize the Aut wner(s):	fy the City of Ved above and of Ved above and of Ved above and of Ved above and of Ved above plication requirements of Ved above and Ved above plication requirements of Ved above and V	White Rock the control of authorize to all matters referenced rements of the to act on ou	nat I am / we are the legal the person indicated below pertaining to the referenced property. In addition, I / we ne Land / Building Permit r behalf.
		mail:Rec	acted S. 22	Fax: ()
Name of Authorized		Alex 5	NG	<u> </u>
Company Name:		Ruilida C	onstruction	n Ltd
Mailing Address:	. 1	0931 Ry	an Rd	tal Code: UFA 295) gmail.com
	· Ci	ity: Richmo	Pos	tal Code: V7A 2G5
	E-	mail: <u>alexs</u>	ong. 1212 G	gmail. Com
		none: (778) <u>8</u>		
Signature of Proper	ty Owner(s	edacted	S. 22	Date: Mar 10, 2013
Signature of Proper	ty Owner(s):_	12/4	5	Date:
Signature of Author	ized Agent:	-37		_ Date: Mar 10, 2013
	ubmitted to the City of	of White Rock if the c		nal sheets if necessary. A new operty changes prior to completion of



Development Services Department - Memorandum

To:

Alan Markovic

Date:

March 27, 2013

13-036

From:

John Knypstra

Address:

14423 Blackburn Cres.

Dev. Services Dept.

File No.:

SUBJECT: Building Permit Application – Single Family Dwelling (No Suite)

Greetings Alan

Attached are plans for an application for a Single Family Dwelling for your review with the following information:

Address:

14423 Blackburn Cres.

Zone:

RS-1

Permit #:

13-036

Applicant:

Alex Song

Phone:

778 859 5015

If you have any questions, please call me at 2144.

Thanks,

John



Owners Acknowledgement of Responsibility and Undertakings

Development Services Department 15322 Buena Vista Ave., White Rock, B.C. V4B 1Y6 Phone: 604 541 2136 Fax: 604 541 2153 Website: www.whiterockcity.ca

Fo	rr	n	"	Α"

RE:	Address:	14423	Blackburn CR				
	Building Permit Application No.:						
1.	I am the own ROCK BC.	er of the land a	nd premises located at <u>14423</u>	Badcharn WHITE			

- I understand and acknowledge that I am fully responsible for carrying out the work or having the work carried out, in accordance with the requirements of the *British Columbia Building Code*, the *Building Bylaw No. 1928* and all other bylaws of the City of White Rock.
- 3. I will comply with, or cause those whom I employ to comply with the *British Columbia Building Code* and all bylaws of the City of White Rock and other statutes and regulations relating to the development, work, undertaking or permission in respect of which this application is made.
- 4. I understand and acknowledge that neither the issuance of a permit under **Building Bylaw No. 1928**, the review of plans and supporting documents, nor inspections by a building official shall, in any way, constitute a representation, warranty, or statement that the **British Columbia Building Code**, **Building Bylaw No. 1928**, or any other bylaw of the City of White Rock has been complied with.
- 5. If the material submitted in support of the application for this Building Permit included certification provided by Registered Professionals in the form of Schedules B-1 and B-2 referred in section 2.6 of Part 2 of the *British Columbia Building Code*, I understand and acknowledge that the City of White Rock and its building officials have relied on those letters of assurance as certification that the design and plans to which they relate comply with the *British Columbia Building Code* and other applicable enactments relating to safety.
- 6. In particular, I understand and acknowledge that the City of White Rock has relied on the letters of "Assurance of Professional Design and Commitment for Field Review" provided by:
 - Insert the name of the Registered Professionals where applicable below:

	Architectural: <u>Chen Design</u>
	Building Envelope: <u>Best West Engineers CTd</u>
	Building Envelope: Best West Engineers Ctcl Structural: Optimum Engineering Corp.
	Mechanical:
	Plumbing:
	Fire Suppression Systems: FKL Engineering Consultants L+D.
	Electrical:
	Geotechnical:
	In reviewing the plans and supporting documentation submitted with this application for a Building Permit.
7.	I am authorized to make this acknowledgement of responsibility and give these undertakings to the City of White Rock.
8.	I understand that it would be prudent for me to seek independent legal advice with respect to the responsibilities I am assuming upon the granting of a Building Permit by the City of White Rock pursuant to this application and in respect of the execution of this acknowledgement.
Signe	d this 21 day of March.
	Redacted S. 22
	(or signing officer if the owner is a corporation)
Signe	d this 21 day of March. Witness
	Occupation



Greater Vancouver 200 - 4185A Still Creek Drive Burnaby, BC V5C 6G9 T 604 294 2088 F 604 294 2090

Technical Memorandum

DATE: March 18, 2013

TO: Deborah Servais, EPCOR White Rock Water

FROM: Christine Norquist, P.Eng.

RE: 1- & 2-DWELLING UNIT BUILDING SERVICING REVIEWS

Subject Property: 14423 Blackburn Crescent

Our File 102.066-646

Purpose

EPCOR White Rock Water (EWR) is the water utility for White Rock. The City of White Rock (the City) requires that EWR confirm that proposed developments can be serviced with water prior to the issuance of a building permit. Servicing requirements are as follows:

- Property is reasonably close to a suitable water main;
- Pressures in the nearest water main are suitable for adequate servicing, including sprinkler fire protection (as required by the City's sprinkler bylaw); and
- Existing hydrants are within a reasonable distance to the proposed building and with adequate flow.

This memorandum has been prepared on behalf of EPCOR White Rock Water (EWR) to verify that the proposed building can be serviced from the current system, and to provide design information to allow for sprinkler design by others (where fire protection sprinklers are required). See the attached form provided by the applicant for further details.

Limitations

The following limitations apply to this servicing review:

- Pressures and fire flows shown are based on output from EWR's hydraulic model of the water system, not actual flow testing.
- Results are expected values (i.e. no safety factors applied). Sprinkler system design should include safety factors as deemed appropriate by the sprinkler system designer.
- Conclusions are based on data provided by the applicant.
- The conclusions in this memorandum are considered valid for a maximum of two years from the date of the memorandum, after which a new servicing review application is required.

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1- & 2-Dwelling Unit Building Servicing Review March 18, 2013

Servicing Summary

	Hydrant Number	Distance to Property ¹	Estimated Fire Flow	
Hydrant Fire Protection ²				
Nearest hydrant	#015	35 m	119 L/s	
Alternate hydrant #1	#020	100 m	151 L/s	
Alternate hydrant #2	#236	140 m	148 L/s	
Hydrant fire protection acceptable (i.e. greater than City requirement)?	City to Confirm ³			
Service Specifics				
Distance from water main to property line	14 m SW of PL			
Total distance to furthest sprinkler head (based on data provided by applicant)	32 m			
Elevations				
Distribution system water main elevation (hydraulic model junction closest to the development)	80 m			
First floor elevation (provided by the applicant)	80 m			
Highest sprinkler head elevation (provided by the applicant)	87 m			
Pressures (for sprinkler system / plumbing design)	HGL⁴ (at water m elevation)	nain	W.C. ⁵	
Maximum static pressure in water main	144 m	(at fir	64 m (at first floor elevation)	
Peak hour demand (PHD) pressure in water main	138 m	(at fir	58 m (at first floor elevation)	
PHD pressure in water main	138 m	(at h	51 m (at highest sprinkler elevation)	
PHD pressure adequate for sprinklering (i.e. PHD > 12 m W.C.) ⁶	Yes			
Preliminary minimum service size for fire sprinkler system (developer's sprinkler designer to confirm)	38 mm			

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¹ Maximum distance to hydrant should be less than 75 m according to EPCOR Design Standards.

² Modelled available system fire flow (in water main) at 20 psi residual/zone pressure. Actual flow capability of hydrant and hydrant lead may limit flow capacity in many situations. Hydrant flow is usually limited by the lesser of 100 L/s +/- (typical hydrant flow capacity) or available fire flow as provided here.

³ F.U.S. guidelines suggest a minimum fire flow of 67 L/s for single-family housing subject to certain requirements.

⁴ HGL: Hydraulic grade line at water main elevation.

⁵ 1 m W.C. (water column) = 1.42 psi.

⁶ Minimum requirement of 12 m W.C., typical desired requirements of 28 m W.C.



TECHNICAL MEMORANDUM

1- & 2-Dwelling Unit Building Servicing Review March 18, 2013

Conclusions

The proposed building can be serviced from the existing EPCOR water system without major system modifications, subject to the following:

- 1. Backflow prevention is provided to protect the distribution system;
- 2. A copy of the plumbing inspection report from the City of White Rock is provided to EPCOR;
- 3. Proof of satisfactory bacteriological sample results from a qualified lab for the customer service line (from property line) is provided to EPCOR; and
- 4. The developer should contact EPCOR to confirm next steps based on the conclusions of this memorandum.

KERR WOOD LEIDAL ASSOCIATES LTD.

Prepared by:

David Ward, EIT Junior Project Engineer

Christine Norquist, P.Eng. Technical Reviewer

Reviewed J

DW/ Encl.

Statement of Limitations

This document has been prepared by Kerr Wood Leidal Associates Ltd. (KWL) for the exclusive use and benefit of the intended recipient. No other party is entitled to rely on any of the conclusions, data, opinions, or any other information contained in this document.

This document represents KWL's best professional judgement based on the information available at the time of its completion and as appropriate for the project scope of work. Services performed in developing the content of this document have been conducted in a manner consistent with that level and skill ordinarily exercised by members of the engineering profession currently practising under similar conditions. No warranty, express or implied, is made.

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RECEIVED MAR 1 8 2013 EPCOR White Rock Water 203. 15261-Russell Avenue White Rock, BC V48 2P7
Tel: (604) 536-6112 Fax:(604) 536-3412

ONE & TWO DWELLING RESIDENTIAL APPLICATION TO CONFIRM SERVICEABILITY

Applicant's Address: Phone Number: PROPOSED DEVELOPMENT DETAILS: Physical Address (If civic address not available please provide sile map) Proposed Service Location (if known) (if not serviced mark - N/A) Fire Protection Sprinklers to NFPA 13D Required? Yes or No (generally Yes unless otherwise approved by City) Setback Distance (distance from property line to the front of the house, in m) First Floor Elevation (in m geodetic) Number of Floors (excluding floor(s) below first floor) Highest Sprinkler Head Elevation (in m geodetic) Approximate Length of Private Service (from Pt. to highest sprinkler, actual length of pipe run) Explanation of terms / abbreviations: Elevation or el. — Elevation in meters in geodetic datum (i.e., referenced to sea level), +/- I m. PL. — property line, used to reference desired location of service. Protection of Service. Pt. — property line, used to reference desired location of service. Pt. — property line, used to reference desired location of service. Page 176 distance of the service of the serv	(Required for Buildi	ng Permit Application)
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Mar 18, 2013

Date

STATE OF TITLE CERTIFICATE

000016

TONY LIU NOTARY COPRORATION 912 WEST KING EDWARD AVENUE VANCOUVER BC V5Z 2E2

> YOUR FILE NUMBER: 12-10375

LAND TITLE DISTRICT: NEW WESTMINSTER, BRITISH COLUMBIA

CERTIFICATE NO: STSR1083044

TITLE NO. CA2924854

THIS IS TO CERTIFY THAT AT 05:44 ON 05 FEBRUARY, 2013.
THE STATE OF THE TITLE TO THE LAND DESCRIBED HEREIN IS AS STATED AND IS SUBJECT TO THE NOTATIONS APPEARING BELOW. THIS CERTIFICATE IS TO BE READ SUBJECT TO THE PROVISIONS OF SECTION 23(2) OF THE LAND TITLE ACT (R.S.B.C. 1996 CHAPTER 250) AND MAY BE AFFECTED BY SECTIONS 50 AND 55-SB OF THE LAND ACT (R.S.B.C. 1996 CHAPTER 245).

APPLICATION FOR REGISTRATION RECEIVED ON: 20 DECEMBER, 2012 ENTERED: 24 DECEMBER, 2012

REGISTERED OWNER IN FEE SIMPLES

TAXATION AUTHORITY: CITY OF WHITE ROCK

DESCRIPTION OF LAND:

PARCEL IDENTIFIER: 009-864-512

LOT 18 SECTION 10 TOWNSHIP 1 NEW WESTMINSTER DISTRICT PLAN 13899

LEGAL NOTATIONS: NONE

CHARGES, LIENS AND INTERESTS; CHARGE NUMBER DATE TIME

MORTGAGE 2012-12-20 09:16 CA2924855 RECISTERED OWNER OF CHARGE THE BANK OF NOVA SCOTIA CA2924855

DUPLICATE INDEFEASIBLE TITLE: NONE OUTSTANDING

TRANSFERS: NONE

PENDING APPLICATIONS: NONE

REGISTRAR

TOPOGRAPHICAL SURVEY PLAN OF LOT 18

SECTION 10 TOWNSHIP 1 NWD PLAN 13899

PID: 009-864-512

5 10 15 20

SCALE 1: 250 DISTANCES ARE IN METRES

CIVIC ADDRESS :

14423 — BLACKBURN CRESCENT WHITE ROCK, B.C.

NOTE:

ALL ELEVATIONS SHOWN ARE TAKEN AT NATURAL GROUND

ELEVATION DERIVATION

ELEVATIONS ARE GEODETIC DERIVED FROM CITY
OF WHITE ROCK CONTROL MONUMENT
No. 88H3910 ELEVATION=79.622m
DATUM NAD83 (CSRS) 2005

Lot dimensions and clearances according to Field Survey.

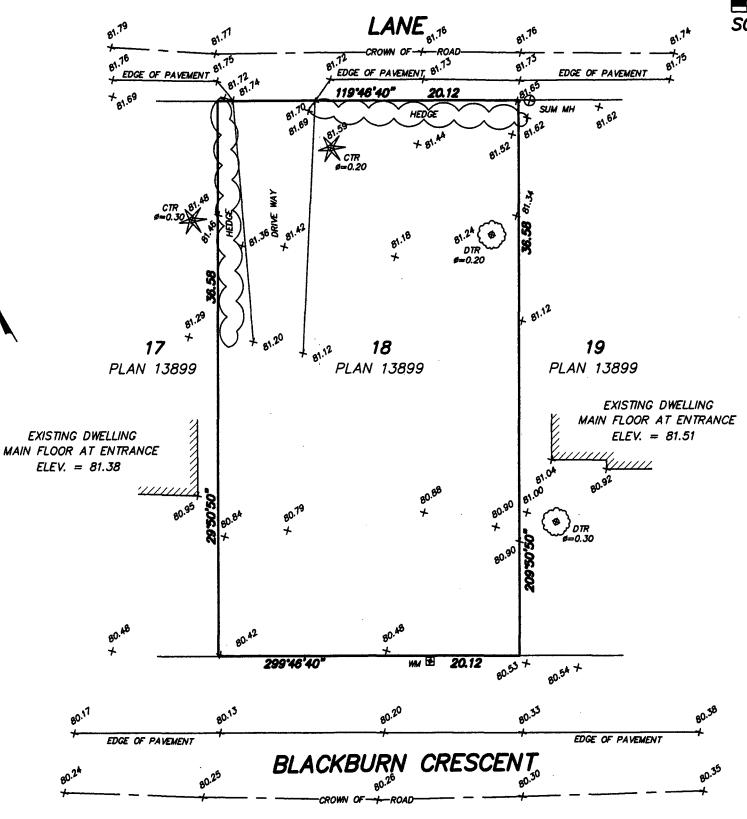
This plan does not show non-plan charges, liens or interests.

This plan was prepared for inspection purposes and is for the exclusive use of our client. The signatory accepts no responsibility or liability for any damages that may be suffered by a third party as a result of any decisions made or actions taken based on this document. This documents shows the relative location of the surveyed structures and features with respect to the boundaries of the parcel described above. This document shall not be used to define property lines or property corners. All rights reserved. No person may copy, reproduce, transmit or alter this document in whole or in part without the consent of the signatory.

THIS TOPOGRAPHICAL SURVEY HAS BEEN PREPARED IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE AND IS CERTIFIED CORRECT THIS 15th DAY OF JANUARY, 2013.

HICK S OPEWAL





LEGEND :

SIM WH CA

DENOTES SUMP MANHOLE

4 🗷

DENOTES WATER METER

TR X

DENOTES CONIFEROUS TREE

DTR (&

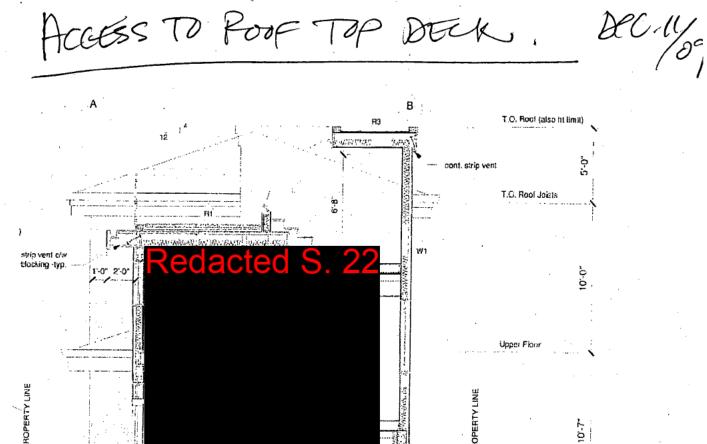
DENOTES DECIDUOUS TREE

© GREWAL & ASSOCIATES
PROFESSIONAL LAND SURVEYORS
UNIT 204. 15299-68th AVENUE

UNIT 204, 15299-68th AVENUE SURREY, B.C. V3S 2C1 TEL: 604-597-8567 EMAIL: Office@GrewalSurveys.com FILE: 1301-006

DWG: 1301-006 T1

ACCESS TO POOF TOP DECK



OFFICE policy:

Handrail's must be installed to nosing of Stair @ top.

2) Clear height over stair must be met as per Current BCBC code

O.K &W. Dec 11/09

OILET X3			BASEMENT	MAIN FL.	UPPER FL.	TOTAL
HOWER HEAD X2 — Z 4 SHOWER HEAD X3 — — — — — — — — — — — — — — — — — —	OILET	Х3		1	A	10
SHOWER HEAD X3 ATHTUB X2 ATHTUB	ASIN	X1			5	7
ATHTUB X2	HOWER HEAD	X2			2	4
AR SINK X2	SHOWER HEAD	Х3				
AR SINK X2	ATHTUB	X2			A	10
SISHWASHER X3	ITCHEN SINK	X2		2		4
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AUNDRY TUB X2 2 VASHER (LDRY.) X3 EGEND: 1/2" = 11 FIX.UNITS 1/4" = 40 FIX.UNITS 1/4" = 225 FIX. UNITS	ISHWASHER	Х3				3
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	·					

TOPOGRAPHICAL SURVEY PLAN OF LOT 18 SECTION 10 TOWNSHIP 1

NWD PLAN 13899

PID: 009-864-512

CIVIC ADDRESS :

14423 - BLACKBURN CRESCENT WHITE ROCK, B.C.

NOTE:

ALL ELEVATIONS SHOWN ARE TAKEN AT NATURAL GROUND

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ELEVATIONS ARE GEODETIC DERIVED FROM CITY OF WHITE ROCK CONTROL MONUMENT No. 88H3910 ELEVATION=79.622m DATUM NAD83 (CSRS) 2005

Lot dimensions and clearances according to Field Survey.

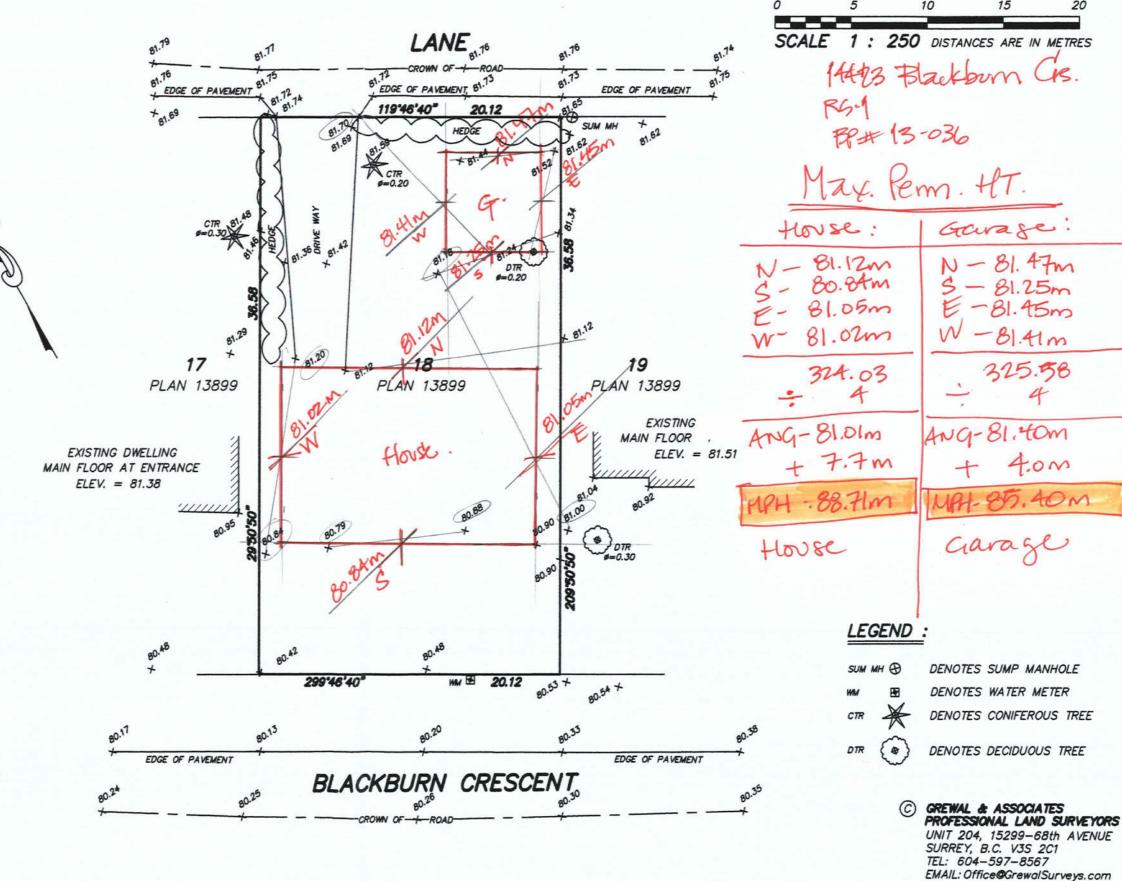
This plan does not show non-plan charges, liens or interests.

This plan was prepared for inspection purposes and is for the exclusive use of our client. The signatory accepts no responsibility or liability for any damages that may be suffered by a third party as a result of any decisions made or actions taken based on this document. This documents shows the relative location of the surveyed structures and features with respect to the boundaries of the parcel described above. This document shall not be used to define property lines or property corners. All rights reserved. No person may copy, reproduce, transmit or alter this document in whole or in part without the consent of the signatory.

THIS TOPOGRAPHICAL SURVEY HAS BEEN PREPARED IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE AND IS CERTIFIED CORRECT THIS 15th DAY OF JANUARY, 2013.

LAKHJOT S. GREWAL

B.C.L.S.



FILE: 1301-006 DWG: 1301-006 T1

14473 Blackburn Crs PSI - BP# 13-036
Max. Penn. +b HOUST
North - [81.12m] given
South - (80.88 +80.79) -; Z = [80.84m]
Fast - 81.18 17 x0.18 = [81.05m] 81.00 74 0.18
Mest - (81.20 + 80.84) - 2 = [81.02m]
= 324.03 ÷ 4 81.01 m ANG † 7.7 [88.71 m MAH] (HOUSO)
Max. Perm. HT- GARAGE West- 10 x 0.4
Nowth-81.52 $5 \times 0.08 = 81.47 \text{ M}$ 81.70 16 81.24 0.08 . $0.46 = 81.41 \text{ M}$
South -81.34 6 $\times 0.16 = [81.25 m]$ 81.18 11
$\frac{4ast-81.624}{81.249}$ $\frac{20.38}{0.38} = \frac{81.45}{0.38}$

Schedule A.

BRITISH COLUMBIA BUILDING CODE 2012

SCHEDULE A

Forming Part of Sentence 2.2.7.2.(1), Div. C of the British Columbia Building Code

#13036

Building Permit No.

CONFIRMATION OF COMMITMENT BY OWNER AND COORDINATING REGISTERED PROFESSIONAL

Notes:

- (i) This letter must be submitted before issuance of a building permit.
- (ii) This letter is endorsed by: Architectural Institute of B.C., Association of Professional Engineers and Geoscientists of B.C., Building Officials' Association of B.C., and Union of B.C. Municipalities.
- (iii) In this letter the words in italics have the same meaning as in the British Columbia Building Code.

Re: Design and Field Review of Construction by a Coordinating Registered Professional

To: The authority having jurisdiction

CITY OF WHITE ROCK

Name of Jurisdiction (Print)

Re: SINGLE FAMILY DWELLING

Name of Project (Print)

14423 BLACKBURN CRESCENT

Address of Project (Print)

Dr. M. ELMI

#31920

#31920

MARCH 20, 2013

Date

MEHDI ELMÍ, P. ENG

The undersigned has retained as a coordinating registered professional to coordinate the design work and field reviews of the registered professionals (of record required for this project. The coordinating registered professional shall coordinate the design work and field reviews of the registered professionals of record required for the project in order to ascertain that the design will substantially comply with the B.C. Building Code and other applicable enactments respecting safety and that the construction of the project will substantially comply with the B.C. Building Code and other applicable enactments respecting safety, not including the construction safety aspects.

"field reviews" are defined in the British Columbia Building Code to mean those reviews of the work

(a) at a project site of a development to which a building permit relates, and

(b) where applicable, at fabrication locations where building components are fabricated for use at the project

that a registered professional of record in his or her professional discretion considers necessary to ascertain whether the work substantially complies in all material respects with the plans and supporting documents prepared by the registered professional of record for which the building permit is issued.

The owner and the coordinating registered professional have read Subsection 2.2.7, Division C of the British Columbia Building Code. The owner and the coordinating registered professional each acknowledge their responsibility to notify the addressee of this letter of the date the coordinating registered professional ceases to be retained by the owner before the date the coordinating registered professional ceases to be retained or, if that is not possible, then as soon as possible. The coordinating registered professional acknowledges the responsibility to notify the addressee of this letter of the date a registered professional of record ceases to be retained before the date the registered professional of record ceases to be retained or, if that is not possible, then as soon as possible.

¹It is the responsibility of the *coordinating registered professional* to ascertain which *registered professionals of record* are required, and to initial each Schedule B.

Schedule A - Continued

#13036

Building Permit No.

14423 BLACKBURN CRESCENT, WHITE ROCK, BC

Project Address

The owner and the coordinating registered professional understand that where the coordinating registered professional or a registered professional of record ceases to be retained at any time during construction, work on the above project will cease until such time as

- (a) a new coordinating registered professional or registered professional of record, as the case may be, is retained, and
- (b) a new letter in the form set out in Schedule A or in the form set out in Schedules B, as the case may be, is filed with the authority having jurisdiction.

The undersigned coordinating registered professional certifies that he or she is a registered professional as defined in the British Columbia Building Code, and agrees to coordinate the design work and field reviews of the registered professionals of record required for the project as outlined in the attached Schedules B including coordination and integration of functional testing of fire protection and life safety systems. (See A-2.2.7.3 in Appendix A.)

Coordinating Registered Professional

MEHDI ELMI, P. ENG.

Coordinating Registered Professional's Name (Print)

211-3030 LINCOLN AVENUE, COQUITLAM, BC, V3B 6B4

Address (Print)

OFFICE: 604.468.7304/ CELL: 604.767.2991

Phone No.



Owner

Redacted S. 22

Name of Agent or Signing Officer if applicable (Print)

MARCH 20, 2013

Redacted S. 22

(If owner is a be given here.

If the signature is that of the agent, a copy of the document that appoints the agent must be attached.)

(If the Coordinating Registered Professional is a member of a firm, complete the following.)

I am a member of the firm BEST WEST ENGINEERS LTD.

and I sign this letter on behalf of the firm

(Print name of firm)

This letter must be signed by the *owner* or the *owner*'s appointed agent and by the *coordinating registered professional*. An agent's letter of appointment must be attached. If the *owner* is a corporation, the letter must be signed by a signing officer of the corporation and the signing officer must set forth his or her position in the corporation.

The British Columbia Building Code defines a registered professional to mean

- (a) a person who is registered or licensed to practise as an architect under the Architects Act, or
- (b) a person who is registered or licensed to practise as a professional engineer under the Engineers and Geoscientists Act.

Trut protect.

BRITISH COLUMBIA BUILDING CODE 2012

SCHEDULE B

Forming Part of Subsection 2.2.7, Div. C of the British Columbia Building Code

#13036

Building Permit No. (for authority having jurisdiction's use)

ASSURANCE OF PROFESSIONAL DESIGN AND COMMITMENT FOR FIELD REVIEW

 Notes: (i) This letter must be submitted prior to the commencement of construction activities of the combelow. A separate letter must be submitted by each registered professional of record. (ii) This letter is endorsed by: Architectural Institute of B.C., Association of Professional Engineer Geoscientists of B.C., Building Officials' Association of B.C., and Union of B.C. Municipalities (iii) In this letter the words in italics have the same meaning as in the British Columbia Building Commencement of construction activities of the commencement of construction activities of construction activities of co	ers and s.
To: The authority having jurisdiction	
The City of White Rock	
Name of Jurisdiction (Print)	
Re: Single Family Dwelling & Detached Garage Name of Project (Print)	
14423-Blackburn Crescent White Rock, BC. Address of Project (Print)	
The undersigned hereby gives assurance that the design of the (Initial those of the items listed below that apply to this <i>registered professional of record</i> . All the disciplines will not necessarily be employed on every project.)	
ARCHITECTURAL	Ser dre
STRUCTURAL	N N N N N N N N N N N N N N N N N N N
	SIDHU
PLUMBING \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	5069 ITISHA
FIRE SUPPRESSION SYSTEMS	
ELECTRICAL OF STATE O	
GEOTECHNICAL — temporary	
GEOTECHNICAL — permanent (Professional's	≸eal and Signature)
$\mathcal{L}(\mathcal{L}(\mathcal{L}))$	03/11/2013 Date
components of the plans and supporting documents prepared by this registered professional of the application for the building permit as outlined below substantially comply with the B.C. Build	record in support of
applicable enactments respecting safety except for construction safety aspects.	ing code and other
The undersigned hereby undertakes to be responsible for field reviews of the above referenced construction as indicated on the "SUMMARY OF DESIGN AND FIELD REVIEW REQUIREME	components during NTS" below.
	MV
	CDD's Initiala
	CRP's Initials

Schedule B - Continued	
	Building Permit No. (for authority having jurisdiction's use
	14423-Blackburn Crescent White Rock, BC. Project Address
	·
	Structural & Geotechnical only Discipline
The undersigned also undertakes to notify the <i>authority hav</i> undersigned's contract for <i>field review</i> is terminated at any to I certify that I am a <i>registered professional</i> as defined in the	ime during construction.
Deepinder Sidhu, P.Eng.	
Registered Professional of Record's Name (Print)	WOFESSION .
#127, 13714-67 Avenue	A SE OF OF THE PROPERTY OF THE
Address (Print) Surrey, BC. V3W 6X6	D. S. SHOHY X
	The BRANCH WAY
604-700-8153	
Phone No.	The state of the s
	(Professional's Seal and Signature)
(If the Registered Professional of Redord's a member of a f	03/11/2013 Date
I am a member of the firm Qb. and I sign this letter on behalf of the firm.	tingum Engineering Corp.
Note: The above letter must be signed by a registered profe British Columbia Building Code defines a registered profess	ssional of record, who is a registered professional . The
(a) a person who is registered or licensed to practis (b) a person who is registered or licensed to practis Geoscientists Act.	se as an architect under the Architects Act, or se as a professional engineer under the Engineers and
	ME
	CRP's Initial

Schedule B - Continued

#13036

Building Permit No.

14423-Blackburn Crescent White Rock, BC.

Project Address

Structural & Geotechnical only

Discipline

SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS

(Initial applicable discipline below and cross out and initial only those items not applicable to the project.)

	i			
AR	(CHI	TEC	TUR	!AL

- 1.1 Fire resisting assemblies
- 1.2 Fire separations and their continuity
- Closures, including tightness and operation 1.3
- Egress systems, including access to exit within suites and floor areas
- 1.5 Performance and physical safety features (guardrails, handrails, etc.)
- 1.6 Structural capacity of architectural components, including anchorage and seismic restraint
- 1.7 Sound control
- Landscaping, screening and site grading
- 1.9 Provisions for fire fighting access
- 1.10 Access requirements for persons with disabilities
- 1.11 Elevating devices
- 1.12 Functional testing of architecturally related fire emergency systems and devices
- 1.13 Development Permit and conditions therein
- 1.14 Interior signage, including acceptable materials, dimensions and locations
- 1.15 Review of all applicable shop drawings
- 1.16 Interior and exterior finishes
- 1.17 Dampproofing and/or waterproofing of walls and slabs below grade
- 1.18 Roofing and flashings
- 1.19 Wall cladding systems
- 1.20 Condensation control and cavity ventilation
- 1.21 Exterior glazing
- 1.22 Integration of building envelope components
- 1.23 Environmental separation requirements (Part 5)
- 1.24 Building Envelope, Part 10/ASHRAE Requirements

lonalis \$eal and Signature) ั้03/11/2013

Date

STRUCTURAL

- Structural capacity of structural components of the building, including anchorage and seismic restraint
- Structural aspects of deep foundations
- Review of all applicable shop drawings
- Structural aspects of unbonded post-tensioned con

MECHANICAL

- HWAC systems and devices, including high building requirements where applicable
- 3.2 Fire dampers at required fire separations
- Continuity of fire separations at HVAC penetrations
- Functional testing of mechanically related fire emergency systems and devices
- Maintenance manuals for mechanical systems
- Structural capacity of mechanical components, including anchorage and seismic restraint
- Review of all applicable shop drawings 3.7
- Mechanical Systems, Part 10/ASHRAE Requirements

CRP's Initials

Schedule B - Continued Building Permit No. (for authority having jurisdiction's use) 14423-Blackburn Crescent White Rock, BC. **Project Address** Structural & Geotechnical only Discipline PLUMBING Roof drainage systems **4** 1 4.2 Site and foundation drainage systems Plumbing systems and devices 43 Continuity of fire separations at plumbing penetrations Functional testing of plumbing related fire emergency systems and devices 4.5 Maintenance manuals for plumbing systems 4.6 Structural capacity of plumbing components, including anchorage and seismic restraint 4.7 Review of all applicable shop drawings 4.8 Plumbing Systems, Part 10 requirements FIRE SUPPRESSION SYSTEMS Suppression system classification for type of occupancy Design coverage, including concealed or special areas 5.2 Compatibility and location of electrical supervision, ancillary alarm and control devices 5.3 5.4 Evaluation of the capacity of city (municipal) water supply versus system demands and domestic demand, including pumping devices where necessary Qualification of welder, quality of welds and material 5.5 Review of all applicable shop drawings

Acceptance testing for "Contractor's Material and Test-Celtificate" as per NFPA Standards 5.6 5.7 Maintenance program and manual for suppression systems 5.8 Structural capacity of sprinkler components, including anchorage and seismic restraint 5.10 For partial systems — confirm sprinklers are installed in all areas where required 5.11 Fire Department connections and hydrant locations 5.12 Fire hose standpipes 5.13 Freeze protection measures for fire suppression systems 5.14 Functional testing of fire suppression systems and devices LECTRICAL Electrical systems and devices, including high building requirements where applicable 6.1 Continuity of fire separations at electrical penetrations 6.2 Functional testing of electrical related fire emergency systems and devices Electrical systems and devices maintenance manuals 6.5 Structural capacity of electrical components, including anchorage and selsmic testraint 6.6 Cleanances from buildings of all electrical villity equipment Fire protection of wiring for emergency systems Review of all applicable shop drawings Electrical Systems, Part 10 ASHRAE requirements 6.9 S. SIDHU B GEOTECHNICAL — Temporary 7.1 Excavation Shoring Hadominaina. Temporary construction dewatering **GEOTECHNICAL** — Permanent (Professional's Seal and Signature) Bearing capacity of the soil Geotechnical aspects of deep foundations Compaction of engineered fill-Structural considerations of soil, including slope stability and 03/11/2013 seismic loading Backfill -Date Permanent dewatering Permanent underpinning CRP's Initials



RE:

THE CORPORATION OF THE CITY OF WHITE ROCK

15322 BUENA VISTA AVENUE, WHITE ROCK, B.C. V4B 1Y6

DEVELOPMENT SERVICES DEPARTMENT TEL: (604)541-2136 FAX: (604)541-2153

FORM 'B'

PROOF OF PROFESSIONAL LIABILITY INSURANCE

Address: 14423-Blackburn Crescent White Rock, BC.

Вι	ilding Permit Application No.:	#13036
The unde	rsigned hereby gives assurance that	
a)		n a subsisting policy of professional liability s outlined in section 16.3 of <i>Building Bylaw</i>
b)	I have enclosed a copy of my certific such coverage.	cate of insurance indicating the particulars of
c)	I am a registered professional as de Columbia Building Code.	fined under Section 1.4 of the British
d)	I will notify the Building Official imme expired or terminated at any time du	ediately if this insurance coverage is reduced, ring construction.
Signed th	is <u>11</u> day of <u>March-2013</u>	D. S. Sidhu Print Name of Registered Professional Signature of Registered Professional Structural Professional's Discipline Professional's seal or
Signed th	is day of	Witness Signature



Certificate of Insurance

No. **OPT-2013-1**

Dated: January 22, 2013

This document supersedes any certificate previously issued under this number

This is to certify that the Policy(ies) of insurance listed below ("Policy" or "Policies") have been issued to the Named Insured identified below for the policy period(s) indicated. This certificate is issued as a matter of information only and confers no rights upon the Certificate Holder named below other than those provided by the Policy(ies).

Notwithstanding any requirement, term or condition of any contract or any other document with respect to which this certificate may be issued or may pertain, the insurance afforded by the Policy(ies) is subject to all the terms, conditions and exclusions of such Policy(ies). This certificate does not amend, extend or alter the coverage afforded by the Policy(ies). Limits shown are intended to address contractual obligations of the Named Insured.

Limits may have been reduced since Policy effective date(s) as a result of a claim or claims.

Certificate Holder:

To Whom It May Concern

Named Insured and Address:

Optimum Engineering Corp.

13714 - 67 Avenue

Unit 127

Surrey, BC V3W 6X6

#13036

This certificate is issued regarding:

Evidence of Insurance

Type(s) of Insurance	Insurer(s)	Policy Number(s)	Effective/ Expiry Dates	Sums Insured Or Lim	its of Liability
PROFESSIONAL LIABILITY	Berkley Insurance Company	BC15000032	· '	Each Claim	\$ 5,000,000
Claims Made Policy			Jan 14, 2014	Aggregate	\$ 5,000,000

Notice of cancellation:

The insurer(s) affording coverage under the policies described herein will not notify the certificate holder named herein of the cancellation of such coverage.

Marsh Canada Limited

800 - 550 Burrard Street Vancouver, BC V6C 2K1

Telephone: 604-692-4840

Fax: 604-685-3112

michael.nikkel@marsh.com

Marsh Canada Limited

By:

Michael Nikkel

BEP

BRITISH COLUMBIA BUILDING CODE 2012

SCHEDULE B

#13036

Forming Part of Subsection 2.2.7, Div. C of the British Columbia Building Code Building Permit No.

ASSURANCE OF PROFESSIONAL DESIGN AND COMMITMENT FOR FIELD REVIEW

Notes: (i) This letter must be submitted prior to the commencement of construction activities of the components identified below. A separate letter must be submitted by each registered professional of record.

(ii) This letter is endorsed by: Architectural Institute of B.C., Association of Professional Engineers and Geoscientists of B.C., Building Officials' Association of B.C., and Union of B.C. Municipalities.

(iii) In this letter the words in italics have the same meaning as in the British Columbia Building Code.

To:	The	thority	havina	iurisdiction
10:	i ne au	unoniv	navina	iurisaicuon

CITY OF WHITE ROCK	,	
Name of Jurisdiction (Print)		

Re: SINGLE FAMILY DWELLING
Name of Project (Print)

14423 BLACKBURN CRESCENT, WHITE ROCK

Address of Project (Print)

The undersigned hereby gives assurance that the design of the (Initial those of the items listed below that apply to this *registered professional* of *record*. All the disciplines will not necessarily be employed on every project.)

ME VARCHITECTURAL (BUILDING ENVELOPE)

STRUCTURAL

MECHANICAL

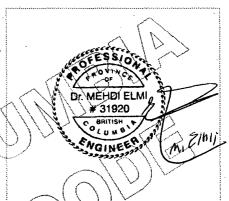
<u>MÉ</u> PLUMBING

ME FIRE SUPPRESSION SYSTEMS

ME ELECTRICAL

ME GEOTECHNICAL temporary

ME GEOTECHNICAL permanent



(Professional's Seal and Signature)

MARCH 20, 2013

Date

components of the plans and supporting documents prepared by this registered professional of record in support of the application for the building permit as outlined below substantially comply with the B.C. Building Code and other applicable enactments respecting safety except for construction safety aspects.

√The undersigned hereby undertakes to∖be responsible for *field reviews* of the above referenced components during ∖construction⊱as indicated on the "SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS" below.

MC.

Schedule B - Continued

Building Permit No. (for authority having jurisdiction's use)

14423 BLACKBURN CRESCENT, WHITE ROCK, BC

Project Address

ARCHITECTURAL(BUILDING ENVELOPE)

The undersigned also undertakes to notify the authority having jurisdiction in writing as soon as possible if the undersigned's contract for field review is terminated at any time during construction.

I certify that I am a registered professional as defined in the British Columbia Building Code.

MEHDI ELMI, P.ENG.

Registered Professional of Record's Name (Print)

211-3030 LINCOLN AVENUE, COQUITLAM, BC, V3B 6B4

Address (Print)

OFFICE: 604.468.7304 / CELL: 604.767.2991

Phone No.

(Professional's Seal and Signature

Date

(If the Registered Professional of Record's a member of a firm, complete the following.)

BEST WEST ENGINEERS LTD. I am a member of the firm and I sign this letter on behalf of the firm

Note The above letter must be signed by a registered professional of record, who is a registered professional. The British Columbia Building Code defines a registered professional to mean

- (a) a person who is registered or licensed to practise as an architect under the Architects Act, or
- (b) a person who is registered or licensed to practise as a professional engineer under the Engineers and Geoscientists Act

Schedule B - Continued

14423 BLACKBURN CPESCENT Project Address WHITE ROCK, BC ARCHITECTURAL (BUILDING ENVELORE)
Discipline

SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS

(Initial applicable discipline below and cross out and initial only those items not applicable to the project.)

MEVARCHITECTURAL

- Fire resisting assemblies
- Fire separations and their continuity
- Closures, including tightness and operation
- Egress systems, including access to exit within suites and floor areas Performance and physical safety features (guardrails, handrails, etc.)
- Structural capacity of architectural components, including anchorage and seismic restraint 1.6
- Sound control
- 1.8 Landscaping, screening and site grading
- 1.9 Provisions for fire fighting access
- 1.10 Access requirements for persons with disabilities
- 1.11 Elevating devices
- 1.12 Functional testing of architecturally related fire emergency systems and devices
- 1.13 Development Permit and conditions therein
- 1.14 Interior signage, including acceptable materials, dimensions and locations
- 1.15. Review of all applicable shop drawings
- EV1.16 Interior and exterior finishes
- MEA.17 Dampproofing and/or waterproofing of walls and slabs below grade
- 18 Roofing and flashings
- € √1.19 Wall cladding systems
- ルビゾュ.20 Condensation control and cavity ventilation
- ME1.21 Exterior glazing
- FV1.22 Integration of building envelope components
- MEV1.23 Environmental separation requirements (Part 5)
 - 1.24 Building Envelope, Part 10/ASHRAE Requirements

31920

Professionalis Seal and Signature)

MARCH 20, 2013

Date

MC STRUCTURAL

- Structural capacity of structural components of the building including anchorage and seismic restraint
- Structural aspects of deep foundations
- Review of all applicable shop drawings 2.3
- Structural aspects of unbonded post-tensioned concrete design and construction

MECHANICAL

- HVAC systems and devices, including high building requirements where applicable
- 3.2 Fire dampers at required fire separations
- 3.3 Continuity of fire separations at HVAC penetrations
- Functional testing of mechanically related fire emergency systems and devices
- Maintenance manua(s) for mechanical systems
- Structural capacity of mechanical components, including anchorage and seismic restraint
- Review of all applicable shop drawings 3.7
- Mechanical Systems, Part 10/ASHRAE Requirements 3.8

•	•
	Building Permit No. (for authority naving jurisdiction's use) 14423 BLACK-BURN CRESCENT, WHITE ROCKS.
	Project Address ARCHITECTURAL (BUILDING ENELOPE)
	Discipline
PLUMBING	
4.1 Roof drainage systems 4.2 Site and foundation drainage systems	
4.3 Plumbing systems and devices	•
4.4 Continuity of fire separations at plumbing penetrations	
4.5 Functional testing of plumbing related fire emergency systems a	nd devices
 4.6 Maintenance manuals for plumbing systems 4.7 Structural capacity of plumbing components, including anchorage 	e and seismic restraint
4.8 Review of all applicable shop drawings	
4.9 Plumbing Systems, Part 10 requirements	
FIRE CURRENCEION SVOTEMS	
FIRE SUPPRESSION SYSTEMS 5.1 Suppression system classification for type of occupancy	
5.2 Design coverage, including concealed or special areas	
5.3 Compatibility and location of electrical supervision, ancillary ala	m and control devices
5.4 Evaluation of the capacity of city (municipal) water supply versu	s system demands and domestic demand,
including pumping devices where necessary	
5.5 Qualification of welder, quality of welds and material 5.6 Review of all applicable shop drawings	
5.7 Acceptance testing for "Contractor's Material and Test-Cettifica	e' as per NFPA Standards
5.8 Maintenance program and manual for suppression systems.	
5.9 Structural capacity of sprinkler components, including anchorage	
5.10 For partial systems — confirm sprinklers are installed in all area	s where required
5.11 Fire Department connections and hydrant locations 5.12 Fire hose standpipes	
5.13 Freeze projection measures for fire suppression systems	
5.14 Functional testing of fire suppression systems and devices	$\langle \langle \langle \langle \rangle \rangle \rangle$
ELECTRICAL	
6.1 Electrical systems and devices, including high building requirem	ents where applicable
6.2 Continuity of tire separations at electrical penetrations 6.3 Functional testing of electrical related fire emergency systems a	nd devices
6.4 Electrical systems and devices maintenance manuals	and devices
6.5 Structural capacity of electrical components, including anchorage	ge and
seismic estraint	le and
6.6 Clearances from buildings of all electrical utility equipment	\$ \(\frac{1}{2} \)
6.7 Fire protection of wiring for emergency systems 6.8 Review of all applicable shop drawings	Dr. MEHDI ELMI
6.9 Electrical Systems, Part 10/ASHRAE requirements	# 31920
	CO BRITISH P
GEOTECHNICAL — Temporary	SALVOINEER APPL
7.1 Excavation	SUNGOCOCO
7.2 Shoring	
7.3 Underpinning \ 7.4 Temporary construction dewatering	
The state of the s	
GEOTECHNICAL — Permanent	(Professional's Seal and Signature)
8.1 Bearing capacity of the soil	, , , , , , , , , , , , , , , , , , , ,
8.2 Gentechnical aspects of deep foundations	(managada managada m
8.3 Compaction of engineered fill 8.4 Structural considerations of soil, including slope stability and	MADOLLOG COAC
	MARCH 20, 2013
seismic loading \	
seismic loading \ 8.5 Backfill	Date
8.5 Backfill 8.6 Permanent dewatering	Date
8.5 Backfill	Date CRP's Initials

SCHEDULE B

#13036

Forming Part of Subsection 2.2.7, Div. C of the British Columbia Building Code

Building Permit No.

ASSURANCE OF PROFESSIONAL DESIGN AND COMMITMENT FOR FIELD REVIEW

Notes: (i) This letter must be submitted prior to the commencement of construction activities of the components identified below. A separate letter must be submitted by each *registered professional of record*.

- ii) This letter is endorsed by: Architectural Institute of B.C., Association of Professional Engineers and Geoscientists of B.C., Building Officials' Association of B.C., and Union of B.C. Municipalities.
- (iii) In this letter the words in italics have the same meaning as in the British Columbia Building Code.

To: The authority having jurisdiction	
CITY OF WHITE ROCK	
Name of Jurisdiction (Print)	
Re: SINGLE FAMILY DWELLING	
Name of Project (Print)	
14423 BLACKBURN CRESCENT, WHITE ROCK, BC	
Address of Project (Print)	

The undersigned hereby gives assurance that the design of the (Initial those of the items listed below that apply to this *registered professional* of record. All the disciplines will not necessarily be employed on every project.)

ME VARCHITECTURAL (BUILDING EM

ME STRUCTURAL

ME MECHANICAL

ME PLUMBING

ME FIRE SUPPRESSION SYSTEMS

ME ELECTRICAL

ME GEOTECHNICAL—temporary

ME GEOTECHNICAL—permanent

Dr. M. ELMI
31920

C. BRITISH

U.M. Professional PSEALANT Signature)

MARCH 20, 2013

Date

components of the plans and supporting documents prepared by this registered professional of record in support of the application for the building permit as outlined below substantially comply with the B.C. Building Code and other applicable enactments respecting safety except for construction safety aspects.

The undersigned hereby undertakes to be responsible for field reviews of the above referenced components during construction; as indicated on the "SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS" below.

ME CRP's Initials

Schedule B - Continued

#13036

Building Permit No. (for authority having jurisdiction's use)

14423 BLACKBURN CRESCENT, WHITE ROCK, BC

Project Address

ARCHITECTURAL(BUILDING ENVELOPE)

Discipline

The undersigned also undertakes to notify the *authority having jurisdiction* in writing as soon as possible if the undersigned's contract for *field review* is terminated at any time during construction.

I certify that I am a registered professional as defined in the British Columbia Building Code.

MEHDI ELMI, P. ENG.

Registered Professional of Record's Name (Print)

211-3030 LINCOLN AVENUE, COQUITLAM, BC, V3B 6B4

Address (Print)

OFFICE: 604.468.7304 /CELL: 604.767.2991

Phone No.

Dr. M. ELMI
31920

BRITISH

(Professionals Seed and Singlure)

MARCH 20, 2013

Date

(If the Registered Professional of Record is a member of a firm, complete the following.)

I am a member of the firm BEST WEST ENGINEERS LTD.

and I sign this letter on behalf of the firm

)(Print name of firm)

Note: The above letter must be signed by a registered professional of record, who is a registered professional. The British Columbia Building Code defines a registered professional to mean

(a) a person who is registered or licensed to practise as an architect under the Architects Act, or

(b) a person who is registered or licensed to practise as a professional engineer under the Engineers and Geoscientists Act.

ME CPP's Initials

CRP's Initials

Schedule B - Continued

#13036

Building Permit No.

14423 BLACKBURN CRESCENT, WHITE ROCK, BC

Project Address

ARCHITECTURAL(BUILDING ENVELOPE)

Discipline

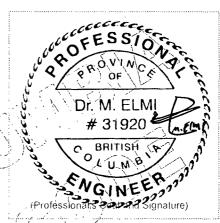
SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS

(Initial applicable discipline below and cross out and initial only those items not applicable to the project.)

✓ ARCHITECTURAL

- Fire resisting assembles
- Fire separations and their continuity
- Closures including tightness and operation 1.3
- Egress systems, including access to exit within suites and floor areas
- Performance and physical safety features (guardrails, handrails, etc.)
- Structural capacity of architectural components, including anchorage and seismic restraint
- 1.7 Sound control
- Landscaping, screening and site grading
- Provisions for fire fighting access
- 1.10 Access requirements for persons with disabilities
- 1.11 Elevating devices
- 1.12 Functional testing of architecturally related fire energency systems and devices
- 1.13 Development Permit and conditions therein
- 1.14 Interior signage, including acceptable materials, dimensions and
- ✓1.15 Review of all applicable shop drawings
- V1.16 Interior and exterior finishes
- 1.17 Dampproofing and/or waterproofing of walls and slabs below grade
 - 1.18 Roofing and flashings
- 20 Condensation control and cavity ventilation

- 122 Integration of building envelope components (National Separation requirements) (Part 5)
- ME1.24 Building Envelope, Part 10/ASHRAE



MARCH 20, 2013

STRUCTURAL

- Structural capacity of structural components of the building including anchorage and seismic restraint
- Structural aspects of deep foundations
- Review of all applicable shop drawings
- Structural aspects of unbonded post-tensioned concrete design and construction

MECHANICAL

- HYAC systems and devices, including high building requirements where applicable
- 3.2 (Fire dampers at required fire separations
- 3.3 Continuity of the separations at HVAC penetrations
- Functional testing of mechanically related fire emergency systems and devices
- 3.5 Maintenance manuals for mechanical systems
- Structural capacity of mechanical components, including anchorage and seismic restraint 3.6
- Review of all applicable shop drawings 3.7
- Mechanical Systems, Part 10/ASHRAE Requirements

CRP's Initials

3 of 4

Schedule B - Continued

#13036

14423 BLACKBURN CRESCENT, WHITE ROCK, BC

Project Address

ARCHITECTURAL(BUILDING ENVELOPE)

Discipline

PLUMBING

- Roof drainage systems Site and foundation drainage systems
- Plumbing systems and devices 4.3
- Continuity of fire separations at plumbing penetrations
- 4.5 Functional testing of plumbing related fire emergency systems and devices
- Maintenance manuals for plumbing systems 4.6
- Structural capacity of plumbing components, including anchorage and seismic restraint
- Review of all applicable shop drawings Plumbing Systems, Part 10 requirements 4.8

FIRE SUPPRESSION SYSTEMS

- Suppression system classification for type of occupancy 5.1
- 5.2
- 5.3
- Design coverage including concealed or special areas

 Compatibility and location of electrical supervision, ancillary alarm and control devices.

 Evaluation of the capacity of city (municipal) water supply versus system demands and domestic demand. including pumping devices where necessary Qualification of welder, quality of welds and material
- Review of all applicable shop drawings
- Acceptance testing for "Contractor's Material and Test-Certificate" as per-NFPA Standards
- Maintenance program and manual for suppression systems.
- Structural capacity of sprinkler components, including anchorage and seismic restraint
- 5.10 For partial systems confirm sprinklers are installed in all areas where required
- 5.11 Fire Department connections and hydrant locations ...
- 5.12 Fire hose standpipes
- 5.13 Freeze projection measures for fire suppression systems
 5.14 Functional lesting of fire suppression systems and devices

ELEGTRICAL

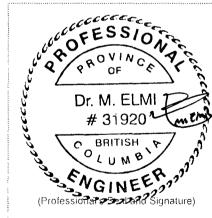
- 6.1 Electrical systems and devices, including high building requirements where applicable
 6.2 Continuity of fire separations at electrical penetrations
 6.3 Functional testing of electrical related fire emergency systems and devices
 6.4 Electrical systems and devices maintenance manuals
 6.5 Structural capacity of electrical components including anchorage and selsmic restraint
- 6.6 Clearances from buildings of all electrical utility equipment 6.7 Fire protection of wiring for emergency systems
- 6.8 Review of all applicable shop drawings
- Electrical Systems, Part 10/ASHRAE requirements

GEOTECHNICAL — Temporary

- 7.1 Excavation
- Shoring 7.2
- Underpinning 7.3
- 7.4 Temporary construction dewatering

GEOTECHNICAL - Permanent

- 8.1 Bearing capacity of the soil
- Geotechnical aspects of deep foundations
- 8.3
- Compaction of engineered fill Structural considerations of soil, including slope stability and 8.4 seismic loading
- 8.5 Backfill
- 8.6 Permanent dewatering
- Hermanent underpinning



MARCH 20, 2013

Date

ME CRP's Initials

4 of 4



Proof of Professional Liability Insurance

Planning and Development Services Department 15322 Buena Vista Ave., White Rock, B.C. V4B 1Y6

Phone: 604 541 2136 Fax: 604 541 2153 Website: <u>www.whiterockcity.ca</u>

				<u>Forr</u>	<u>n "B"</u>		
RE:		dress:	14473 mit Applicati		n "B" bun Or	劣 ・ # '	3036
The u	nde	rsigned he	ereby gives as	surance that			
	a)				•		ofessional liability or e Rock <i>Building</i>
	b)	I have en such cove		of my certific	ate of insurar	nce indicatin	g the particulars of
	c)	I am a reg Building (•	ssional as de	fined under Se	ection 1.4 of	the British Columbia
	d)		y the Building r terminated a				overage is reduced,
Signe	d th	is 20	day of Marc	h/2013			P. Eng.
					+ Tille Name		. E/m i
					Signature o		d Professional
					ARCHITE	ECTURAL	(BUILDING ENVELOPE)
					Professiona		
					Professiona	al's seal	Dr. MCHOI ELMI # 31920
0.					or		S LOWE TO WELL OF THE PARTY OF
Signe	a th	IS	day of				

Witness Signature



INSURANCE COVER NOTE

#13036

E. & O.E.

This document is evidence that Insurance described herein has been effected, against which Insurers' policy or policies will be issued. In the event of any inconsistency in the terms and conditions as set forth in this document and those contained in the policy or policies, the latter shall prevail.

Policy Number:

PSB01034749

Names & Mailing:

Best West Engineers Ltd.

211 - 3030 Lincoln Ave Coguitlam, BCV3B 6B4

Type of Insurance:

Professional Liability Insurance Policy

Amount of Limits:

Errors & Omissions Liability:

\$500,000

Aggregate Limit of Liability

\$500,000

Policy Deductible

\$5000

Effective:

September 7th, 2012 to September 7th, 2013

Insurers Subscribing Hereto: CAN-SURE UNDERWRITING LTD. through Lloyd's of

London

THIS POLICY IS SUBJECT TO THE STANDARD MORTGAGE CLAUSE

Dated at North Vancouver, BC this December 14, 2012

SUSSEX INSURANCE AGENCY INC.

PER

Authorized Representative

HIS POLICY CONTAINS CLAUSES
HAT MAY LIMIT THE AMOUNT PAYABLE

DECLARATIONS



ERRORS AND OMISSIONS, PROPERTY AND COMMERCIAL GENERAL LIABILITY INSURANCE

#13036

CFC UNDERWRITING LIMITED 85 GRACECHURCH STREET LONDON EC3V 0AA UNITED KINGDOM

POLICY NUMBER:

PSB01034749

THE INSURED:

BEST WEST ENGINEERS LTD

ADDRESS:

211-3030 Lincoln Ave

Coquitlam BC V3B 6B4

Canada

Can-Sure Underwriting Ltd

NAME OF LICENSED CANADIAN INTERMEDIARY:

THE UNDERWRITERS:

Underwritten by certain Underwriters at Lloyd's

THE INCEPTION DATE:

00:01 Local Standard Time on 07 Sep 2012 00:01 Local Standard Time on 07 Sep 2013

THE EXPIRY DATE:

CAD2.750.00

TOTAL PAYABLE:

Broken down as follows: Premium:

CAD2.500.00

Policy Administration Fee:

CAD250.00

OPTIONAL EXTENDED REPORTING **PREMIUM**

CAD2,500

(in respect of Insuring Clauses 1 & 2):

(only payable if you choose to exercise this option)

BUSINESS ACTIVITIES:

structural, geotechnical and civil engineering and as more fully described in the application form dated 21 Aug 2012 and as held

on file by CFC Underwriting Limited

LEGAL ACTION:

RETROACTIVE DATE

(in respect of Insuring Clauses 1 & 2):

Worldwide

07 Sep 2012

CLAIMS MANAGERS:

CFC Underwriting Limited Please report all new claims to:

newclaims@cfcunderwriting.com

WORDING:

A&E CAN v1.7

ENDORSEMENTS

ENGLISH LANGUAGE AGREEMENT CLAUSE

PREMIUM PAYMENT CLAUSE

ABSOLUTE ASBESTOS EXCLUSION CLAUSE ABSOLUTE TOXIC MOULD EXCLUSION CLAUSE

POLLUTION EXCLUSION CLAUSE

CONDOMINIUM PROJECTS EXCLUSION

Sprinkler.

BRITISH COLUMBIA BUILDING CODE 2012

SCHEDULE B

#13036

Forming Part of Subsection 2.2.7, Div. C of the British Columbia Building Code

Building Permit No. (for authority heavings jurisdiction's use)

ASSURANCE OF PROFESSIONAL DESIGN AND COMMITMENT FOR FIELD REVIEW

Notes: (i) This letter must be submitted prior to the commencement of construction activities of the components identified below. A separate letter must be submitted by each registered professional of record.

This letter is endorsed by Architectural Institute of B.C. Association of Professional Fn

Geoscientists of B.C., Building Officials' Association of B.C., and Union of B.C. Municipalities. (iii) In this letter the words in italics have the same meaning as in the British Columbia Building Code.	
To: The authority having jurisdiction City of White Rock. Name of Jurisdiction (Print)	
Re: SFD Name of Project (Print)	
14423 Blackburn Cres., White Rock. Address of Project (Print)	
The undersigned hereby gives assurance that the design of the (Initial those of the items listed below that apply to this registered professional of record. All the disciplines will not necessarily be employed on every project.)	
ARCHITECTURAL	
STRUCTURAL MECHANICAL	
INCOMPANIENCE AND	
PLUMBING F.K.F. LER	
FIRE SUPPRESSION SYSTEMS 16918 2 BRATISH	
ELECTRICAL	
GEOTECHNICAL — temporary	
GEOTECHNICAL — permanent (Professional's seal and Signature)	
MAR 2 5 2013	
Date	
components of the plans and supporting documents prepared by this registered professional of record in support of the application for the building permit as outlined below substantially comply with the B.C. Building Code and other applicable enactments respecting safety except for construction safety aspects.	
The undersigned hereby undertakes to be responsible for field reviews of the above referenced components during	
construction, as indicated on the "SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS" below.	
CRP's Initials	
1 of 4	

Schedule B - Continued Building Permit No. authority having runsdiction's use's Fire Suppression Systems Discipline The undersigned also undertakes to notify the authority having jurisdiction in writing as soon as possible if the undersigned's contract for field review is terminated at any time during construction. I certify that I am a registered professional as defined in the British Columbia Building Code. Fred Lee Registered Professional of Record's Name (Print) 3571 Worthington Dr., Vancouver, V5M 3Y1 Address (Print) 604-618-0438 Phone No. Date (If the Registered Professional of Redord's a member of a firm camplete the following.) I am a member of the firm and I sign this letter on behalf of the firm Note: The above letter must be signed by a registered professional of record, who is a registered professional. The British Columbia Building Code defines a registered professional to mean (a) a person who is registered or licensed to practise as an architect under the Architects Act, or (b) a person who is registered or licensed to practise as a professional engineer under the Engineers and Geoscientists Act. CRP's Initials

Schedule B - Continued

#13036

Building Permit No.

Project Address

Fire Suppression Systems

Discipline

SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS

(Initial applicable discipline below and cross out and initial only those items not applicable to the project.)

ARCHITECTURAL

- Fire resisting assemblies
- Fire separations and their continuity 1.2
- Chosures, including tightness and operation
- 1.4 Egress systems, including access to exit within suites and floor areas
- 1.5 Performance and physical safety features (guardrails, handrails, etc.)
- Structural capacity of architectural components, including anchorage and seismic restraint 1.6
- Sound control 1.7
- Landscaping screening and site grading Provisions for the fighting access
- 1.10 Access requirements for persons with disabilities
- 1.11 Elevating devices
- 1.12 Functional testing of architecturally related fire emergency systems and devices
- 1.13 Development Permit and conditions therein
- 1.14 Interior signage, including acceptable materials, dimensions and locations
- 1.15 Review of all applicable shop drawings
- 1.16 Interior and exterior finishes
- 1.17 Dampproofing and/or waterproofing of walls and slabs below grade
- 1.18 Roofing and flashings
- 1.19 Wall cladding systems
- 1.20 Condensation control and cavity ventilation
- 1.21 Exterior glazing
- 1.22 Integration of building envelope components
- 1.23 Environmental separation requirements (Part 5)
- 1.24 Building Envelope, Part 10/ASHRAE Requirements



roféssionalis \$eal and Signature)

MAR 2 5 2013

Date

STRUCTURAL (<

- Structural capacity of structural components of the building, including anchorage and seismic restraint
- Structural aspects of deep foundations
- Review of all applicable shop drawings
- Structural aspects of unbonded post-tensioned concrete design and construction

MECHANICAL

- 3.1 HVAC systems and devices, including high building requirements where applicable
- 3.2 Fire dampers at required fire separations
- 3.3 Continuity of fire separations at HVAC penetrations
- 3.4 Functional testing of mechanically related fire emergency systems and devices3.5 Maintenance manuals for mechanical systems
- Structural capacity of mechanical components, including anchorage and seismic restraint
- Review of all applicable shop drawings 3.7
- Mechanical Systems, Part 10/ASHRAE Requirements

CRP's Initials

3 of 4

Schedule B - Continued

Building Permit No.

14423 Blackburg

Project Address

Fire Suppression Systems

Discipline

PLUMBING

- Roof drainage systems
- Site and foundation drainage systems
- Plumbing systems and devices
- Continuity of fire separations at plumbing penetrations
- Functional testing of plursbing related fire emergency systems and devices
- Maintenance manuals for plumbing systems
- Structural capacity of plumbing components, including anchorage and seismic restraint
- Review of all applicable shop drawings
- lumbing Systems, Part 10 requirements.

FIRE SUPPRESSION SYSTEMS

- Suppression system classification for type of occupancy
- Design coverage, including concealed or special areas
- Compatibility and location of electrical supervision, ancillary alarm and control devices
- Evaluation of the capacity of city (municipal) water supply versus system demands and domestic demand including pumping devices where necessary
- Qualification of welder, quality of welds and material
- Review of all applicable shop drawings
- Acceptance testing for "Contractor's Material and Test-Certificate" as per NFPA Standards
- Maintenance program and manual for suppression systems.

 Structural capacity of sprinkler components, including anchorage and seismic restraint
- 5.10 For partial systems confirm sprinklers are installed in all areas where required
- 5.11 Fire Department connections and hydrant locations
- 5.12 Fire hose standpipes
- 5.13 Freeze protection measures for fire suppression systems
- 5.14 Functional testing of fire suppression systems and devices

ELECTRICAL

- Electrical systems and devices, including high building requirements where applicable Continuity of fire separations at electrical penetrations

- Functional testing of electrical related fire emergency systems and devices Electrical systems and devices maintenance manuals Structural capacity of electrical components, including anchorage and seismic restraint
- 6.6 Clearances from buildings of all electrical utility equipment
- Fire protection of wiring for emergency systems
- Review of all applicable shop drawings
- Electrical Systems, Part 10/ASHRAE requirements

GEOTECHNICAL — Temporary

- Excavation
- Shoring 7.2
- 7.3 Underpinning
- Temporary construction dewatering

OEOTECHNICAL — Permanent

- Bearing capacity of the soil
- Geotechnical aspects of deep foundations
- Compaction of engineered fill 8.3
- Structural considerations of soil, including slope stability and seismic loading
- Backfill
- Permanent dewatering
- 8.7 Permanent underpinning



(Professional's Seal and Signature)

MAR 2 5 2013

Date

CRP's Initials

4 of 4



THE CORPORATION OF THE CITY OF WHITE ROCK

15322 BUENA VISTA AVENUE, WHITE ROCK, B.C. V4B 1Y6

DEVELOPMENT SERVICES DEPARTMENT TEL: (604)541-2136 FAX: (604)541-2153

FORM 'B'

PROOF OF PROFESSIONAL LIABILITY INSURANCE

RE:	Address: _	14423 Black	Lburn Cres, WR
•	Building Pe	rmit Application No.:	#13036
The u	ndersigned h	ereby gives assurance that	
		and omissions insurance a	in a subsisting policy of professional liability as outlined in section 16.3 of <i>Building Bylaw</i>
	b) I have en such cov		cate of insurance indicating the particulars of
	•	gistered professional as de a Building Code.	fined under Section 1.4 of the British
	•	fy the Building Official imme or terminated at any time du	ediately if this insurance coverage is reduced, uring construction.
Signe	d this	day of	Fred Lee
			Print Name of Registered Professional
·	•	· · · · · · · · · · · · · · · · · · ·	Signature of Registered Professional
			Fire Suppression Systems Professional's Discipline
			Professional's seal
			Or County
Signe	d this	day of	
		r. ~~~	Witness Signature



Certificate of Insurance

1600 - 1111 West Georgia St., Vancouver, BC V6E 4G2 Telephone: 604 682 4211 Facsimile: 604 682 3520

Certificate

Holder:

To Whom It May Concern

Description:

Evidence of Insurance

Name of Insured: FKL Engineering Consultants Ltd.

This is to certify that the policies of insurance listed in the attached Certificate have been issued to the insured named above for the policy period indicated, notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate may be issued or may pertain. The insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies. Limits shown may have been reduced by paid claims/expenses.

Schedule of Insurance										
Type of Insurance	Company and Policy Number	ates	Limit of Liability/Amount							
Practice Professional Liability (Claims Made)	Certain Lloyd's Underwriters as arranged by Lloyd & Partners Limited under Contract No. 7066/12 UMR No. B0753PR1200088000 Policy No.: 7066/12-VR1280	Effective: Expiry:	April 19, 2013 April 19, 2014	\$ \$ \$	500,000 1,000,000 2,500	Per Claim Aggregate Limit Self Insured Retention (Each and Every Loss)				

These statements have been made in good faith and are a summary of the insurance cover in force (which is subject to the full terms and conditions of the policy). We accept no responsibility whatsoever for any inadvertent or negligent act, error or omission on our part in preparing these statements or for any loss, damage or expense thereby occasioned to any recipient of this certificate.

Jardine Lloyd Thompson Canada Inc.

Dated: April 17, 2013

Terms and Conditions

This certificate is issued for convenience only. All of the terms and conditions of the Policies referred to are contained in the original document which are not modified or amended by this Certificate. With respect to Liability Insurance Coverages, where an Aggregate limit applies, the Certificate Holder is advised that the limit shown may apply to products/completed operations or projects other than shown in this certificate and the limit may be reduced by Claims/Expenses Paid.



Fire Sprinkler Requirements

Development Services Department 15322 Buena Vista Ave., White Rock, B.C. V4B 1Y6 Phone: 604 541 2136 Fax: 604 541 2153 Website: www.whiterockcity.ca

All piping, fittings, hangers etc. to be installed in conformance with the current addition of NFPA 13D and the BC Building Code.
Fire Sprinkler Flow Verification Report to be submitted by a company certified by the Standards Council of Canada.
Minimum six (6) spare sprinkler heads reflecting each type installed complete with a wrench, to be kept in a cabinet mounted on the wall by the main valve.
Fire Sprinkler System to be installed as a flow through system to the most remote water closet.
The flow through water closet cannot exceed six (4.8) litre flush.
Flow switch to be interconnected with all local smoke alarms.
A pressure-reducing valve (such as a watts S-P60/B) must be installed on the flow through water closet.
Crawl spaces exceeding 5'-11" are considered storage areas and must be fire sprinklered.
Non-combustible piping must be used where combustible piping cannot be protected.
If a furnace/Hot water tank appliance is installed in a crawl space, this space then becomes a service space and must be fire sprinklered using non-combustible piping.
Inspectors Test Drain to be piped over floor drain or exterior of building with orifices equivalent to the smallest sprinkler.
Fire Sprinkler Engineer to be responsible for the review of piping insulation in unheated areas.

FISL Engineering Consultants Ltd. (cell) 618-0438, (fax) 435-3181

1 1" U/G Comprised Service
Valve Schematic (NTS)

<u>Sprinkler Heads & General Design Information</u> <u>Residential Fire Sprinkler System</u>

Project	Address:	144	23	Black	ckburi	n Cres	الها ر.:	rite P	loct	۷.		Date:	
nstalla	tion Contr	actor :	Nec	wted facturer's Lis	+in	Pro	tection & Pressure	<u> </u>			25 N	larch	, 20
Type Selected	Style	Make Model	Tem	1@12x12 2@12x12 (gpm@psi)	1@14x14 2@14x14 (gpm@psi)	1@16x16 2@16x16 (gpm@psi)	1@18x18 2@18x18	1@20x20 2@20x20 (gpm@psi)	Sym.	Bsmt Count	Main Count	2nd fl. Count	3rd fl. Count
	Pendent	Tyco LFII TY2234	155 4.9	13@7.0	13@7.0	13@7.0	17@12.0	20@16.7		6	10		
	Conceal Pendent	Tyco LFII TY3596	155 4.9	13@7.0	13@7.0	13@7.0	17@12.0	20@16.7					
	Pendent	Reliable F1/RES/49	155 4.9	13@7.0	13@7.0	13@7.0	17@12.0	20@16.6					
	Conceal	Reliable	155	13@7.0	13@7.0	13@7.0	17@12.0	20@16.7					
	Pendent Conceal	RFC 49 Viking	4.9 155	13@7.0	13@7.0	13@7.0	17@12.0	23@22.0				1	
	Pendent Pendent	VK456 Viking	4.9 155	13@7.0	13@7.0	13@7.0	17@12.0					ļ	
	Conceal	VK468 Globe	4.9 155					20@16.7					
	Pendent	GL4906	4.9 155	13@7.0	13@7.0	13@7.0	17@12.0	20@16.7				ļ	
	Pendent	Victaulic V2740	4.9	12@7.8	13@7.0	13@7.0	17@12.0	20@16.7				ļ	ļ
	Commercial Conc.Pend.	Tyco 3531 Reliable G4A	155 5.6		8 sq.ft per hea e from walls -		= 14.8 usgpn	n@7.0psi	0				
	Commercial Pendent	Tyco 3231 Reliable F1FR	155 5.6	, ,	8 sq.ft per hea e from walls -		= 14.8 usgpn	n@7.0psi	0				
V	Sidewall	Tyco LFII Ty 2334	155 4 %	12@8.2	14@11.1	16@14.5	N/A	N/A	4		l	16	
	Sidewall	Reliable F1/RES/44	4. 4 155 4.4	12@7.5	14@10.2	16@13.3	19@18.7		4				
	Sidewall	Victaulic V2738	155 4.2	14@11.1	14@11.1	17@16.4	N/A	N/A					
	Sidewall	Viking VK450	155 4.2	12@8.2	14@11.1	18@18.4	N/A	N/A	4				
	Sidewall	Globe GL4231	155	13@9.6	15@12.8	16@14.5			4				
	Commercial Sidewall	Tyco 3331 Reliable F1FR	155 5.6	_	8 sq.ft per hede walls - 7',		•						
	Sidewall	Globe	200										
	Hi-Temp. Pendent	GL Series Globe	5.6 200				<u> </u>		7	2	7		
	Hi-Temp.	GL Series	5,6			2012	<u> </u>	ļ	1 60			<u></u>	
	der system s	hall conform t			f NFPA-13D,	B.C.Bu				8	13	16	
protec	ted with min	all be type L o imum 1/2" dry	/wall.		oiping shall be	BlazeMaster	·						
. Unspr	inklered clos	throom shall bets max. 24 s wl space shall	q.ft. ar	nd the least dir			•	nish.		Total H	eads	37	
. Install	all piping so	as to be drai	nable.	·			•					L	
		de wall/roof/do nigh density in											
		vater shall be		•	thest toilet (flo	w thru. syste	m), unless otl				•		
	Y Pre	ssure Gauge		General Info	rmation: E		PHD ma	rin stat	i'C	82p	150		
			Drain	City Water S	upply (psi)	Static:	70	Residual:	6	ŧ.	(@ 36 us	sgpm	
		h	ļ	Fire Pump				- NA -		1	L-7/		
V 1	Time	Delay Flow Sv	vitch		heads Cove	erage (ft x	ft)						
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W.	1" Dual C	Check Valve		16X16	smt fl	16x16	AIYKIU		nd fl 14	XIY	357	JIU II	
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55.32 psi @ 33.63 usgpm

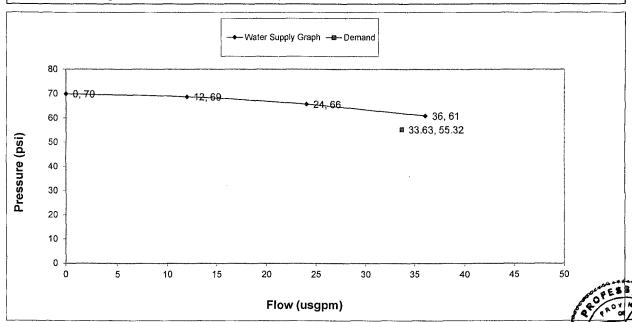
AR 2521

HYDRAULIC CALCULATIONS

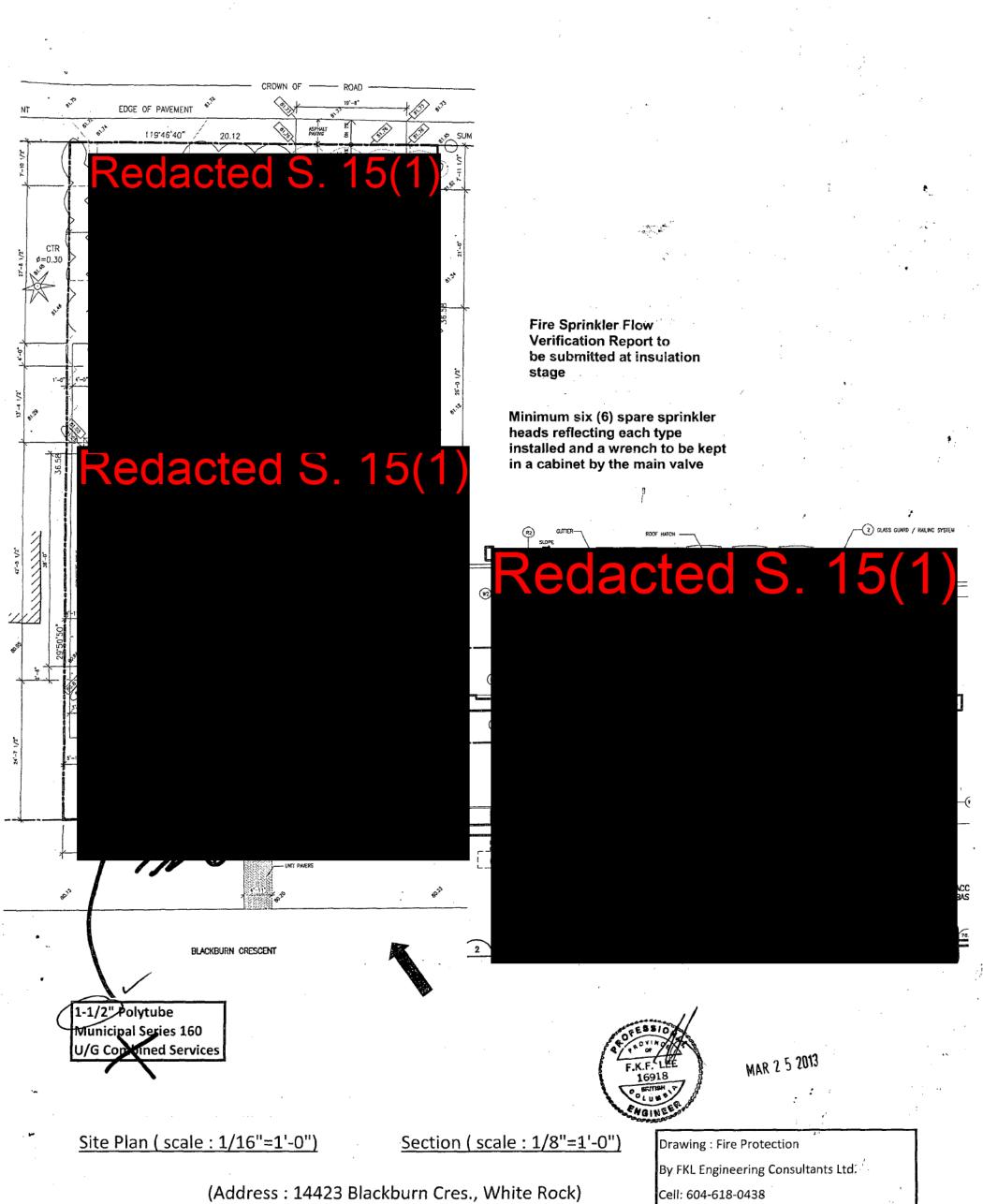
				\neg
Address: 14423 Blackburn Cres	, White Rock	Date:	25-Mar-13	1

Make : Rel. F1/Res/44 Type: Sidewall Two Head Flow K = 4.4			Listed Flow/Pressure Coverage:(ftxft):				14.00 14x14	usgpm		10.20		psi					
Calcula	tions					Hazer	n Williams (C=150									
To From				(mdßsn)	E Piping			<u>Fittings</u>				<u>Pr</u>	essure	Loss (p	Total (psi)		
Ref. Pt.	Elev (ft)	Ref. Pt.	Elev (ft)	Flow (usgpm)	Domestic (us	Pipe ID (inch)	Pipe Mat.	Elbow 90	Tee Bran.	Ball Valve	Pipe	Total eq. ft	Elev.	Fric. Ref.	Fric.	dual checks	10.20
6	26	4	13	14.00		1.109	срус	2	1	0	31	48	5.65		1.63		17.48
5	26	4	13	14.63		1.109	срус	1	1	0	11	21	0.00	0.77			17.48
4	13	3	6	28.63		1.109	срус	5	5	0	72	132	3.04		16.84		37.36
3	6	2	2	28.63	5.0	1.025	copper L	2	0	0	7	12	1.74		2.25	8.0	49.35
2	2	1	0	33.63		1.263	polytube	0	1	1	50	56	0.87		5.11		55.32
			-	33.63					•				11.30		25.82		55.32

System De	sign Sumn	ary	-1						
Ref. Pt. 6	<u>K</u> 4.4	Elev. (ft) 26		Flow (us	gpm)		Pressu 10.20	re (psi)	Coverage (ft x ft) 14x14
5	4.4	26		14.63			11.06		14x14
The sprinkl	er system flo	ow is		28.63	usgpm				
The total sy	stem flow is	3		33.63	usgpm	at	55.32	psi	
Static Press	sure		70	psi					
Residual Pi	ressure		61	psi	at	36.00	usgpm		
Available P	ressure		62.07	psi	at	33.63	usgpm		
Operating F	Pressure		55.32	psi	at	33.63	usgpm		
Pressure R	emaining		6.74	psi					



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Flow Thru. System, Fire Water Supply to the Most Remote WC with a PRV 4048 dacted 11/1/2"



All Piping 1" Unless Noted Otherwise

2nd Floor (scale: 3/16"=1'-0")

(Address: 14423 Blackburn Cres., White Rock)

Tyco 2234, Pendent, 155F, K=4.9, Cov. 16'x16'

Tyco 2334, Sidewall, 155F, K=4.4, Cov. 14'x14'

Drawing : Fire Protection

By FKL Engineering Consultants Ltd.

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Fire Sprinkler Installation Contractor: NewTech Fire Protection,778-999-7854

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All Piping 1" Unless Noted Otherwise

Main Floor (scale : 3/16"=1-0")

(Address: 14423 Blackburn Cres., White Rock)

Tyco 2234, Pendent, 155F, K=4.9, Cov. 16'x16'

Drawing : Fire Protection

By FKL Engineering Consultants Ltd.

Cell: 604-618-0438 Fax: 604-435-3181

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Page:

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Redacted S. 15(1) All Piping 1" Unless Noted Otherwise

Basement Floor (scale: 3/16"=1'-0")

(Address: 14423 Blackburn Cres., White Rock)

Tyco 2234, Pendent, 155F, K=4.9, Cov. 16'x16'

Drawing : Fire Protection

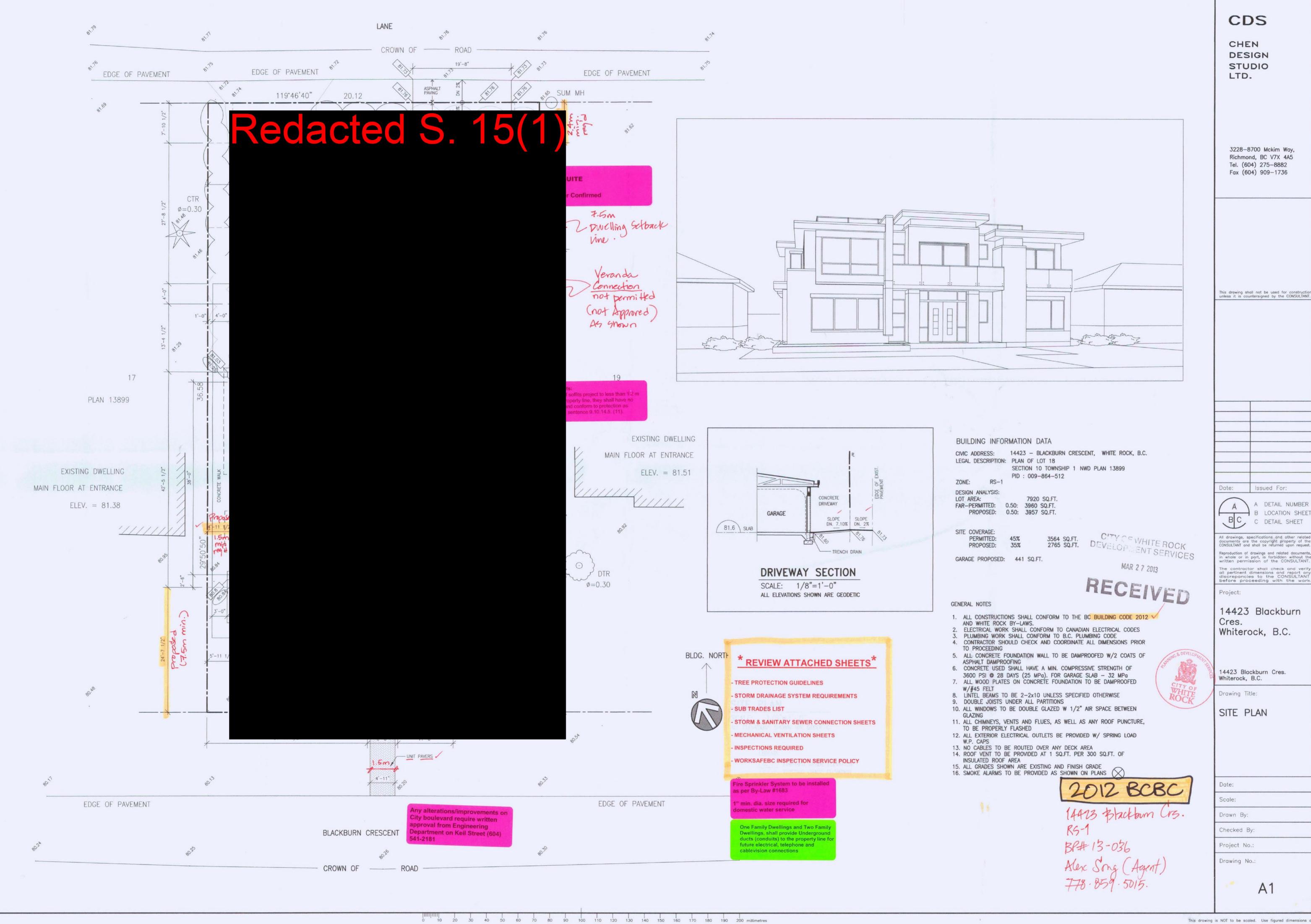
By FKL Engineering Consultants Ltd.

Cell: 604-618-0438 Fax: 604-435-3181

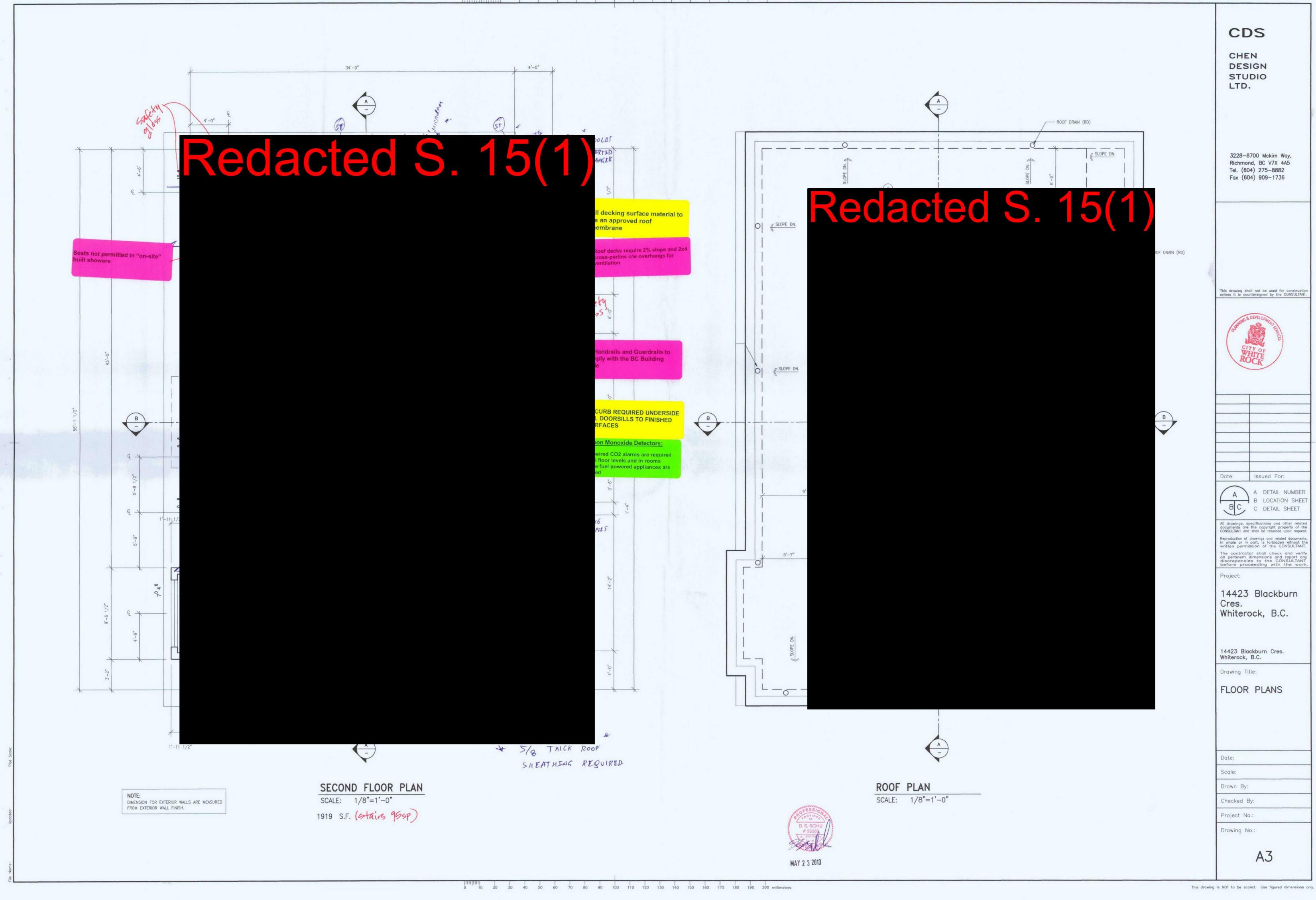
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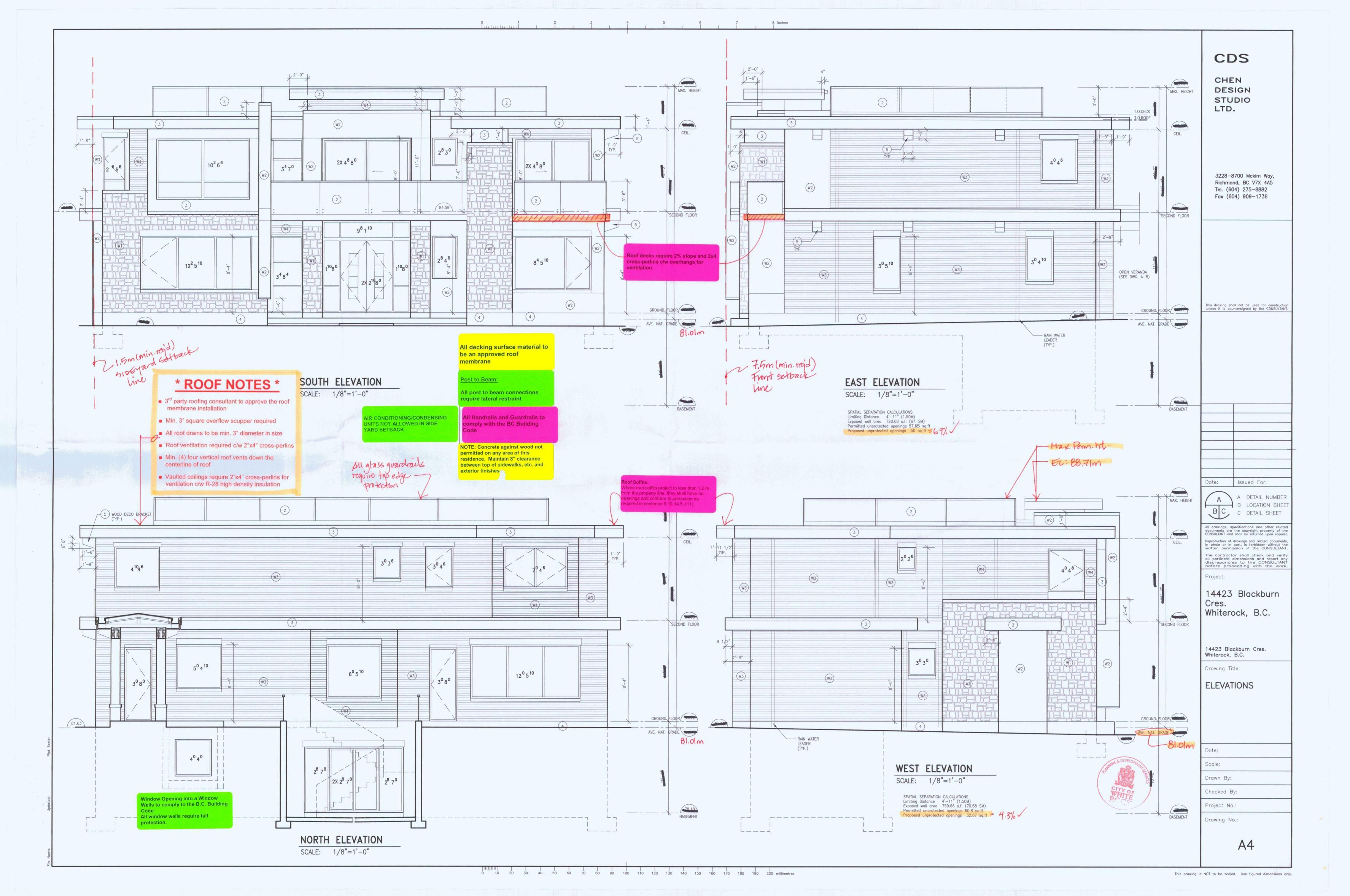
Fire Sprinkler Installation Contractor: NewTech Fire Protection,778-999-7854

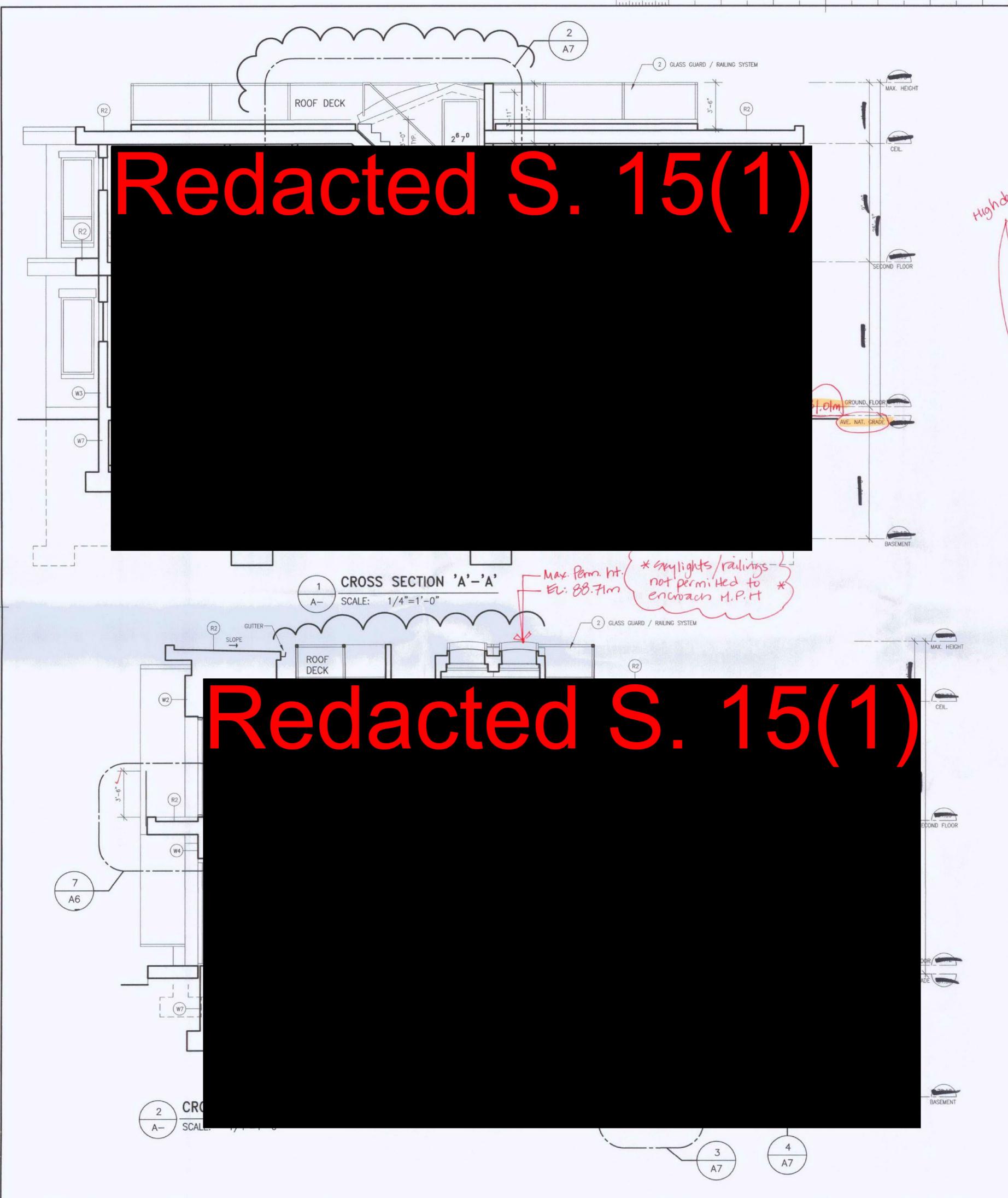
Page: 4 of 4











CONSTRUCTION NOTES:

R1. WALKING DECK MEMBRANE ON 2 PLY TORCH-ON WATERPROOFING MEMBRANE ON 5/6" . PLYWOOD SHEATHING SLOPED TO DRAIN ON 2x4 SLEEPERS ON EDGE (CUT TO SLOPE AT 1/4" IN 1'-0") ON WOOD JOISTS AT 16" (SEE STRUCT.). W/ CROSS BRIDGING AT 7'-0" MAX. W/ R-28 BATT INSULATION ON 6 MIL POLY VAPOUR BARRIER 1/2" G.W.B(PAINT FINISH)

> R2 5 PLY TAR & GRAVEL BUILT-UP ROOF ON 5/8" T & G PLYWOOD SHEATHING ON 2x4 SLEEPERS ON EDGE (CUT TO SLOPE AT 1/4" IN 1'-0") ON 2x12 WOOD JOISTS AT 16" O.C. W/ CROSS BRIDGING AT 7'-0" MAX. W/ R-28 BATT INSULATION ON 6 MIL POLY VAPOUR BARRIER 1/2" G.W.B(PAINT FINISH)

NO. 15 PERFORATED ASPHALT SATURATED FELT ON 1/2" T & G PLYWOOD SHEATHING ROOF TRUSSES @ 24" O.C. (PREFABRICATED) OR ON RAFTERS @ 16" O.C. W/ MIN. R-40 BATT INSULATION (MIN. R-28 VENTED 1/150 FOR VAULTED ROOFS) 6 MIL POLY VAPOUR BARRIER

INTERIOR:

W5 2x4 WOOD STUDS @ 16" O.C. (@12" O.C. IF IN BASEMENT) W/ 1/2" G.W.B. BOTH SIDES

R3. METAL ROOF ON

1/2" G.W.B.

FOUNDATION WALL:

W6 (8" ABOVE FIN. GRADE) 5/8" TYPE "X" G.W.B 6 MIL POLY VAPOUR BARRIER (WARM SIDE) ON 2X6 WOOD STUDS AT 16" O.C. W/ R-22 HIGH DENSITY F.F. BATT INSULATION 1/2" AIR SPACE

8" CIP CONC. FOUNDATION WALL W/ DAMPPROOFING AT EXTERIOR FACE PARGE ALL EXPOSED CONCRETE

W7 5/8" TYPE "X" G.W.B 6 MIL POLY VAPOUR BARRIER (WARM SIDE) ON 2X6 WOOD STUDS AT 16" O.C. W/ R-22 HIGH DENSITY F.F. BATT INSULATION 1/2" AIR SPACE 8" CONC. FOUNDATION WALL W/ 2 COATS ASPHALT DAM PROOFING BOTH SIDES WATERPROOF MEMBRANE AND DRAINAGE MAT 1.5" REGID INSULATION 1/2" PROTECTION BOARD

W8 (AT ACCESS TO BASEMENT_ 5/8" TYPE "X" G.W.B 6 MIL POLY VAPOUR BARRIER (WARM SIDE) ON 2X6 WOOD STUDS AT 16" O.C. W/ R-22 HIGH DENSITY F.F. BATT INSULATION 1/2" AIR SPACE

8" CONC. FOUNDATION WALL

EXTERIOR WALL:

1/2" G.W.B

1/2" G.W.B

W1 FACE STONE (OR CULTURE STONE) (INSTALLATION METHOD PER MANUFACTURER'S SPEC.) PRESSURE-TREATED 1/2" X 2" PLYWOOD VERTICAL STRAPPING (OVER STUDS BEHIND) WITH RUST RESISTANT FASTENERS, SPACING TO CORRESPOND WITH STUD SPACING, 2 LAYERS 30 MINUTE BUILDING PAPER, INSTALLED IN SHINGLE FASHION 1/2" PLYWOOD EXTERIOR SHEATHING (STAGGERED-LAP), 2X6 WOOD STUDS AT 16" O.C. W/ R-22 BATT INSULATION ON 6 MIL POLY VAPOUR BARRIER (WARM SIDE) ON 5/8" TYPE "X" G.W.B

W2 PREFINISHED INTERLOCKING METAL PANEL, RECTANGLE PATTERN INSTALLATION PER MANUFACTURER'S SPECIFICATION, PRESSURE-TREATED 1/2" X 2" PLYWOOD VERTICAL STRAPPING (OVER STUDS BEHIND) WITH RUST RESISTANT FASTENERS, SPACING TO CORRESPOND WITH STUD SPACING, 2 LAYERS 30 MINUTE BUILDING PAPER, INSTALLED IN SHINGLE FASHION 1/2" PLYWOOD EXTERIOR SHEATHING (STAGGERED-LAP), 2X6 WOOD STUDS AT 16" O.C. W/ R-22 BATT INSULATION ON 6 MIL POLY VAPOUR BARRIER (WARM SIDE) ON

W3 HARDIE SIDING ON PRESSURE-TREATED 1/2" X 2" PLYWOOD VERTICAL STRAPPING (OVER STUDS BEHIND) WITH RUST RESISTANT FASTENERS, SPACING TO CORRESPOND WITH STUD SPACING, 2 LAYERS 30 MINUTE BUILDING PAPER, INSTALLED IN SHINGLE FASHION 1/2" PLYWOOD EXTERIOR SHEATHING (STAGGERED-LAP), 2X6 WOOD STUDS AT 16" O.C. W/ R-22 BATT INSULATION ON

6 MIL POLY VAPOUR BARRIER (WARM SIDE) ON

W4 WOOD SIDING ON PRESSURE-TREATED 1/2" X 2" PLYWOOD VERTICAL STRAPPING (OVER STUDS BEHIND) WITH RUST RESISTANT FASTENERS, SPACING TO CORRESPOND WITH STUD SPACING, 2 LAYERS 30 MINUTE BUILDING PAPER, INSTALLED IN SHINGLE FASHION 1/2" PLYWOOD EXTERIOR SHEATHING (STAGGERED-LAP), 2X6 WOOD STUDS AT 16" O.C. W/ R-22 BATT INSULATION ON 6 MIL POLY VAPOUR BARRIER (WARM SIDE) ON 1/2" G.W.B

FLOOR:

F1 FINISHED FLOOR (PER OWNER'S FINISH SCHEDULES), ON 1 1/2" 25 MPa CONCRETE TOPPING, C/W POLYPROPYLENE FIBRE, ON 5/8" T & G PLYWOOD SUBFLOOR, GLUED/NAILED ON WOOD JOISTS (SEE STRUCT.). W/ CROSS-BRIDGING AT 7'-0" MAX. ON 1/2" G.W.B.

F2 4" CONC. SLAB ON 6 MILPOLY V.B. ON R12 (UNDER ENTIRE SLAB) 6" COMPACTED SAND FILL

PERIMETER DRAIN:

P1 6" GRAVEL (DRAIN ROCK) ON 4" DIAM. DRAIN TILES AROUND ALL BUILDINGS

CEDAR WOOD FOR ALL SOFFIT DOORS ON MAIN FLOOR ARE ALL 8'-0" HIGH.



CDS

CHEN DESIGN STUDIO LTD.

3228-8700 Mckim Way, Richmond, BC V7X 4A5 Tel. (604) 275-8882 Fax (604) 909-1736

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B LOCATION SHEET

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all pertinent dimensions and report any discrepancies to the CONSULTANT before proceeding with the work Project:

14423 Blackburn Cres. Whiterock, B.C.

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Drawing Title:

SECTIONS & CONSTRUCTION NOTES

Date:

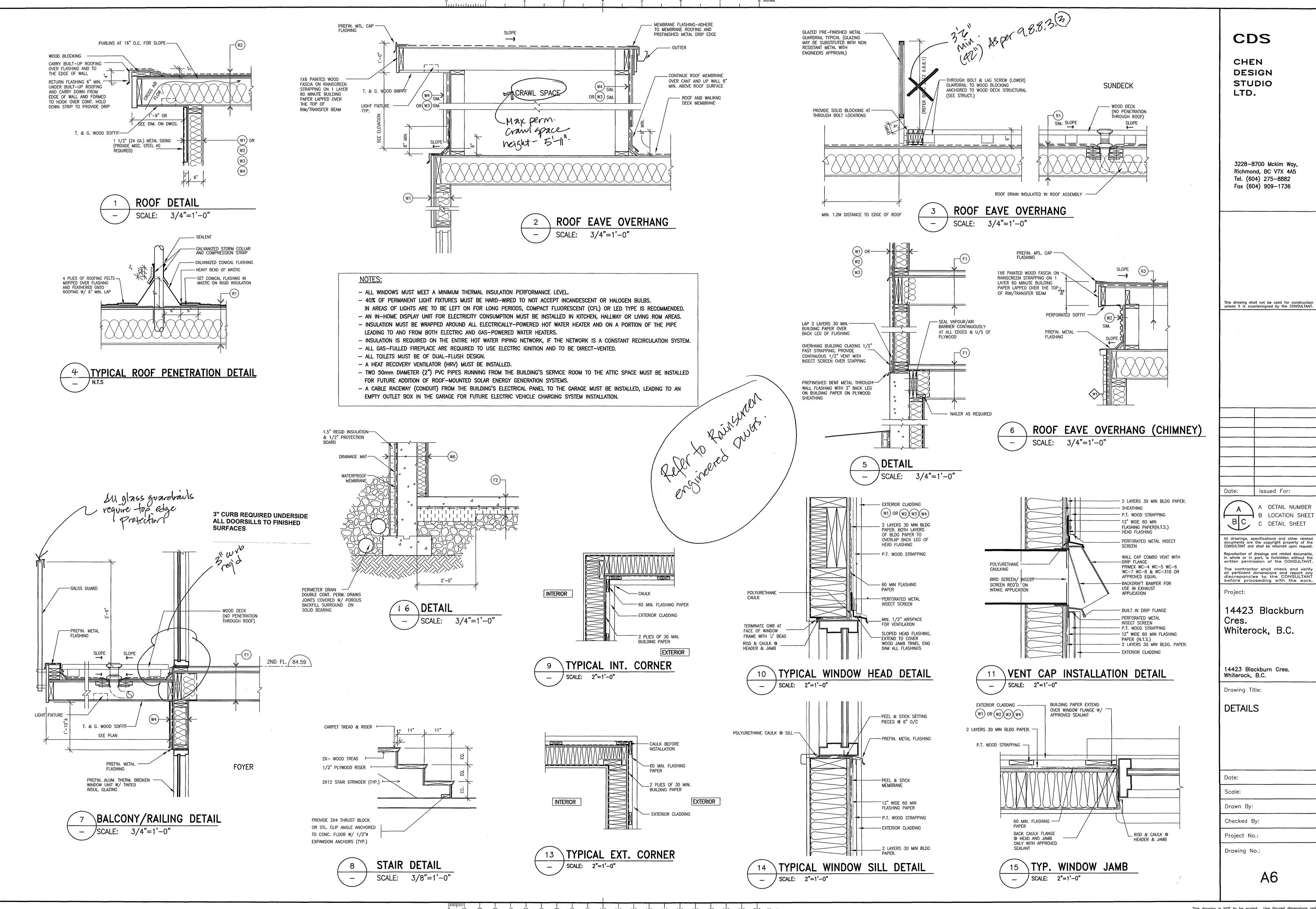
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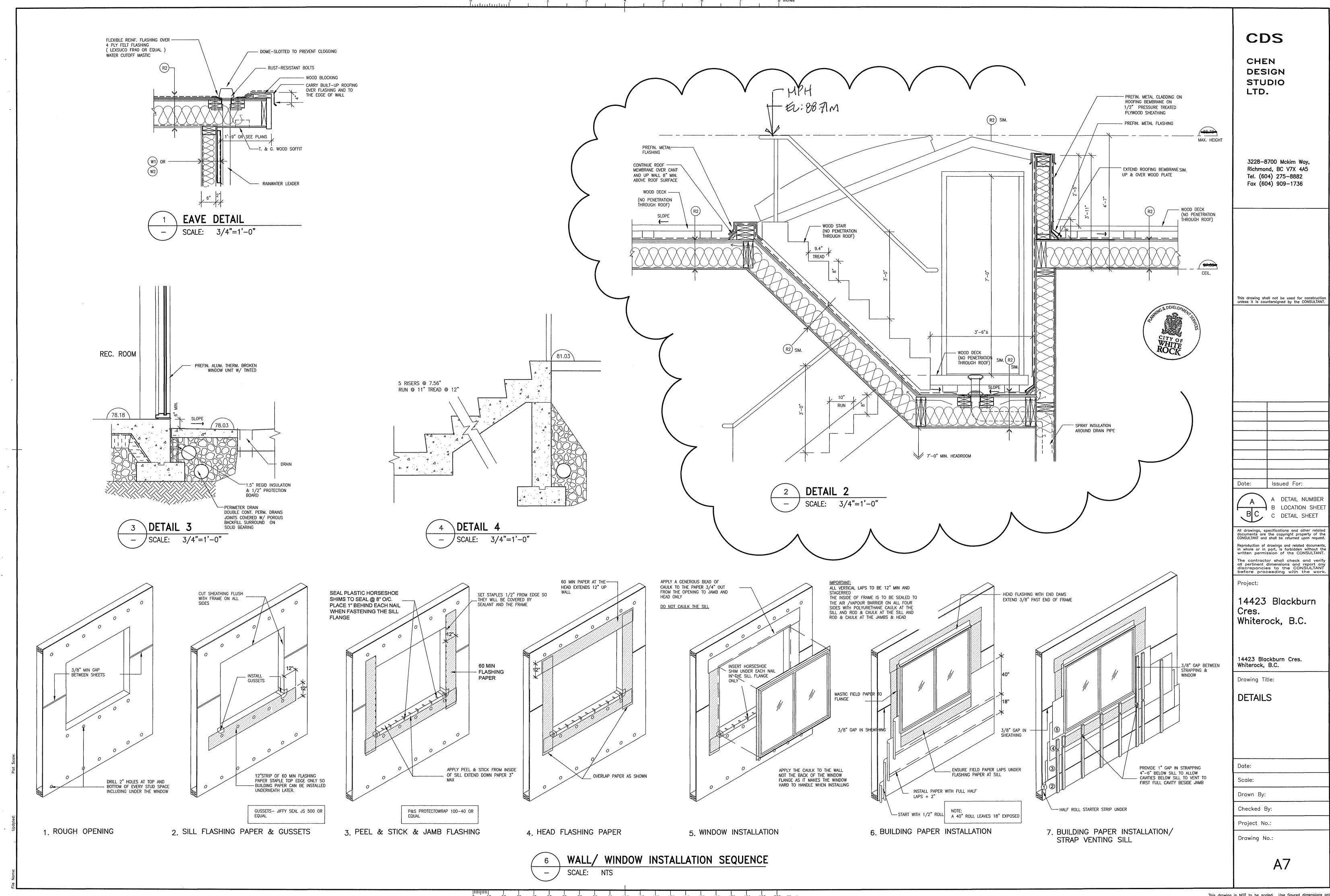
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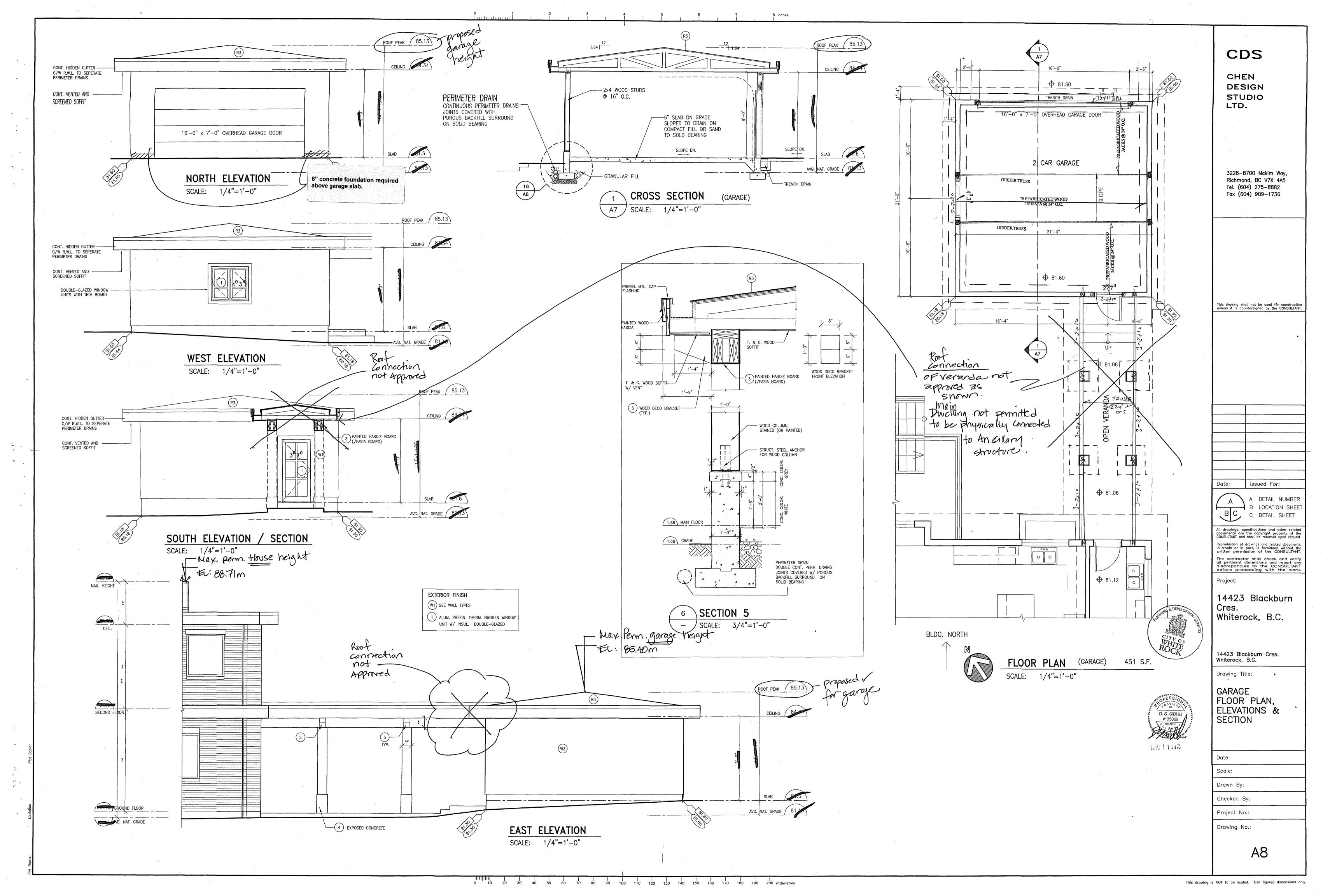
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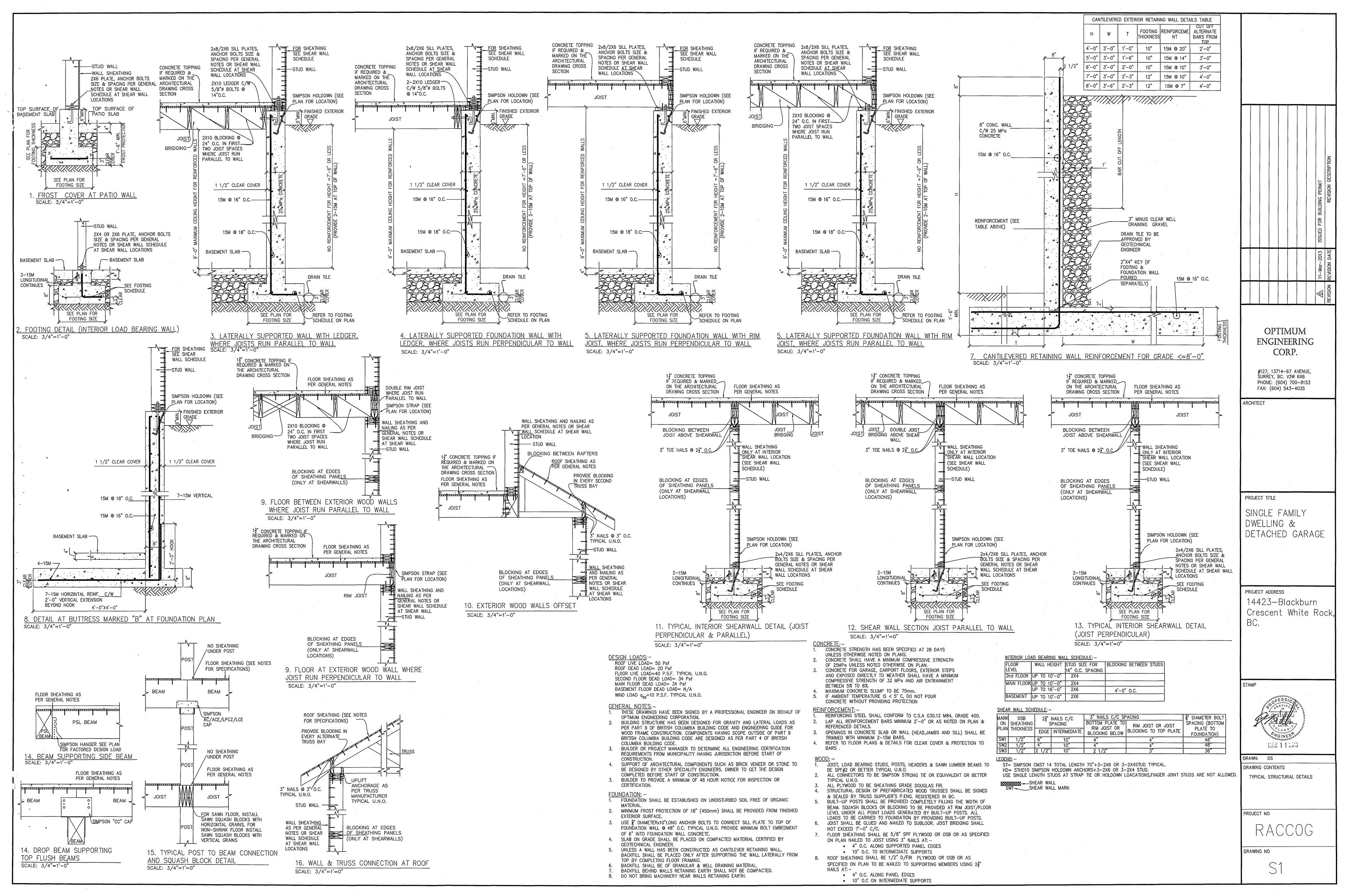
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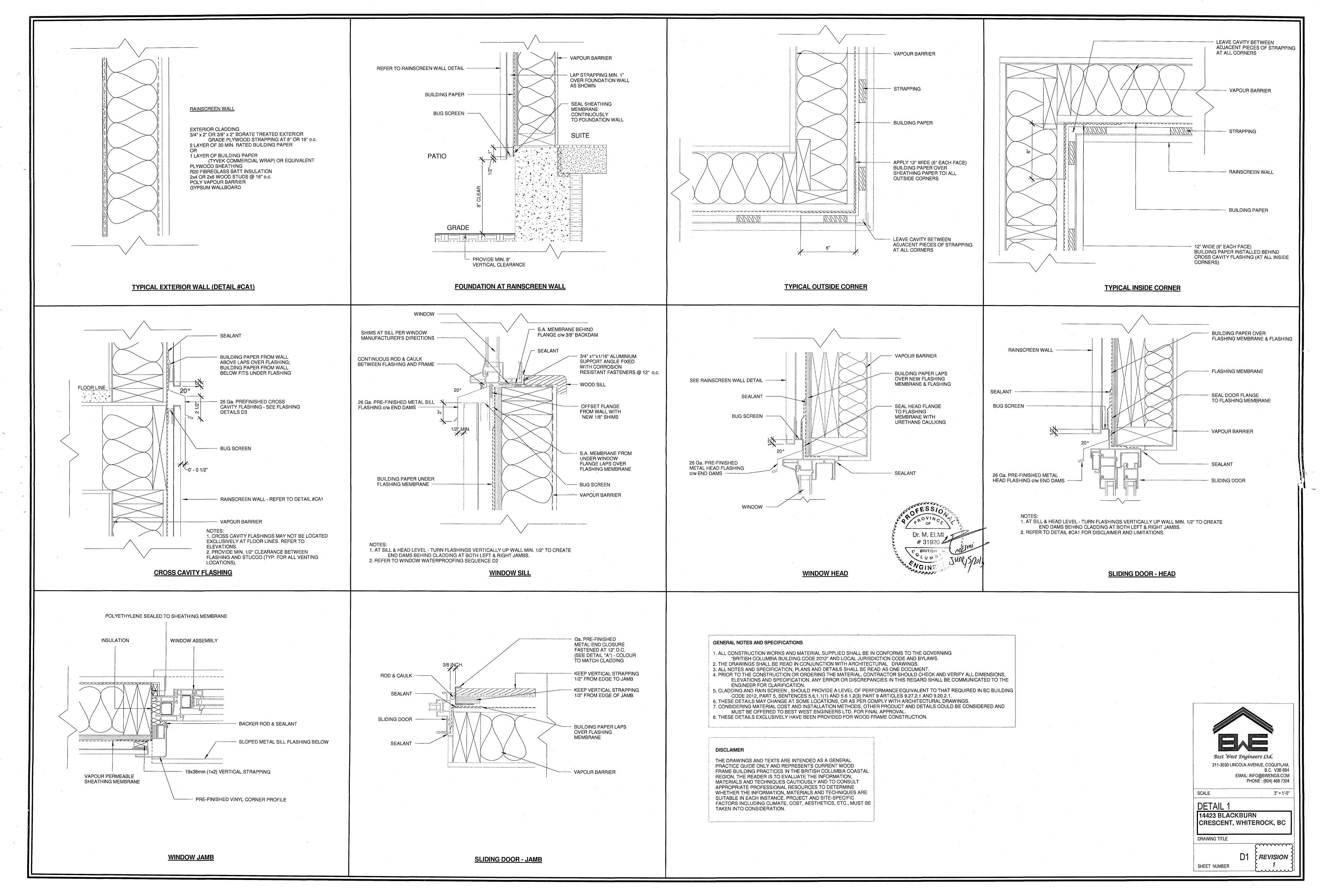
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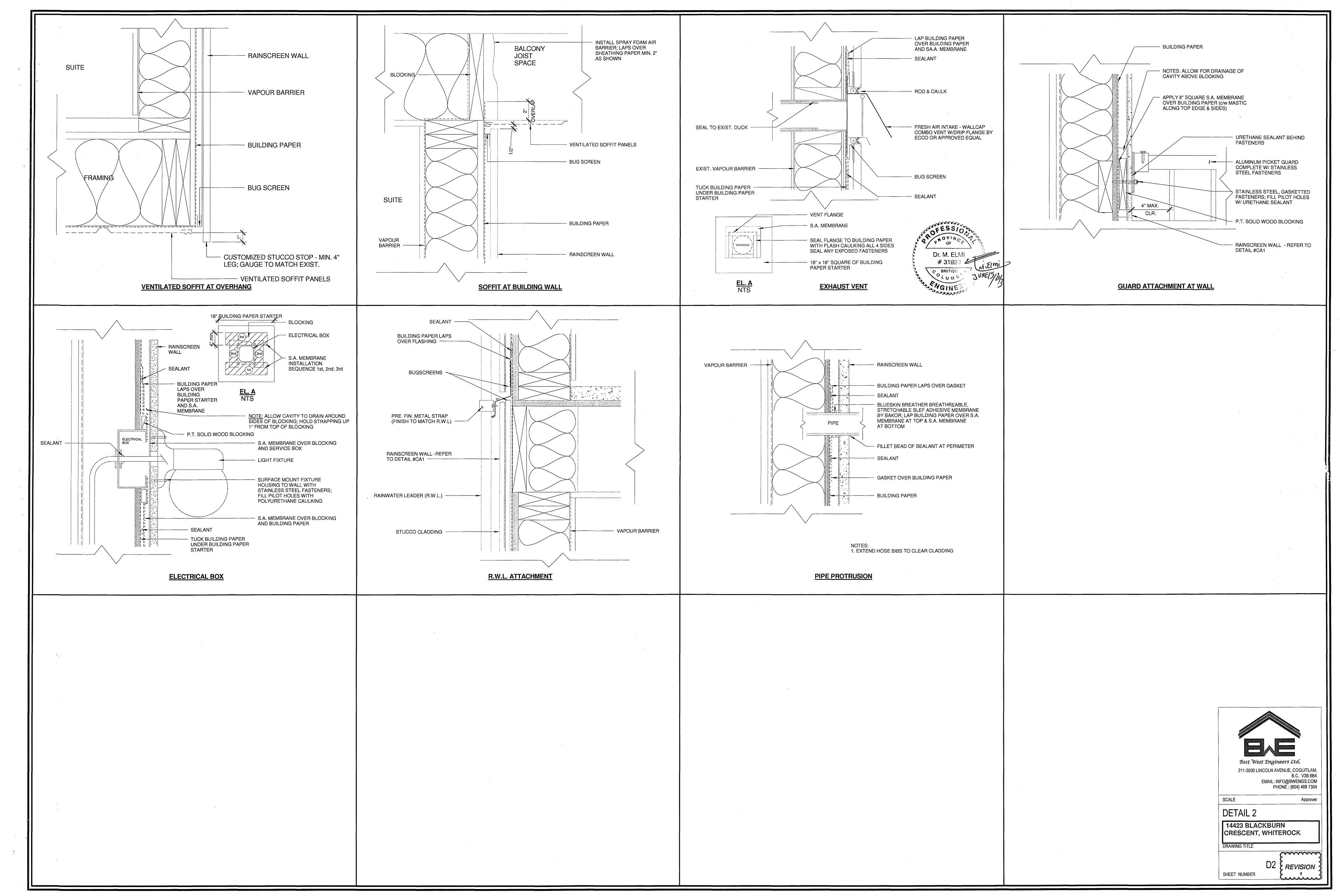


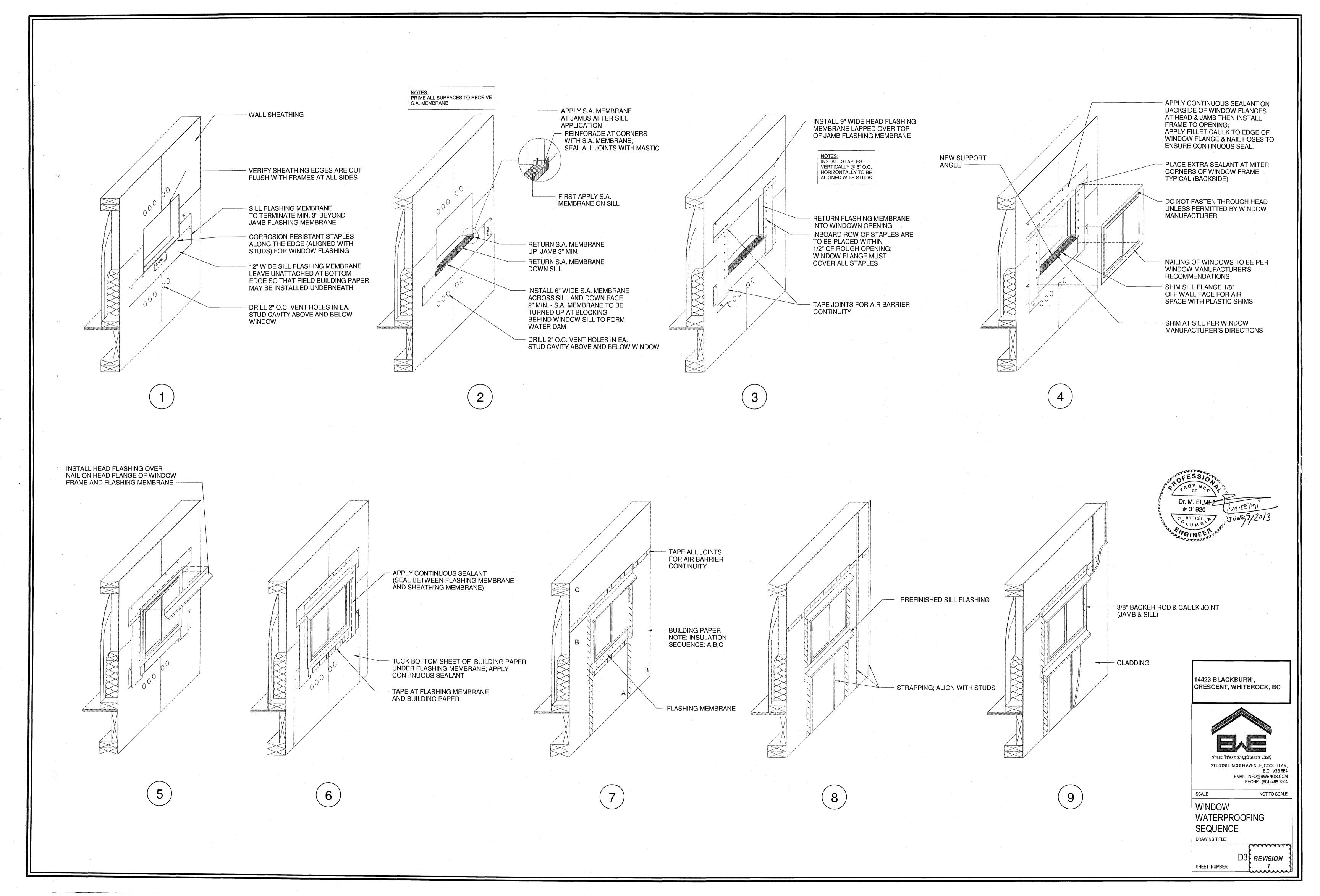


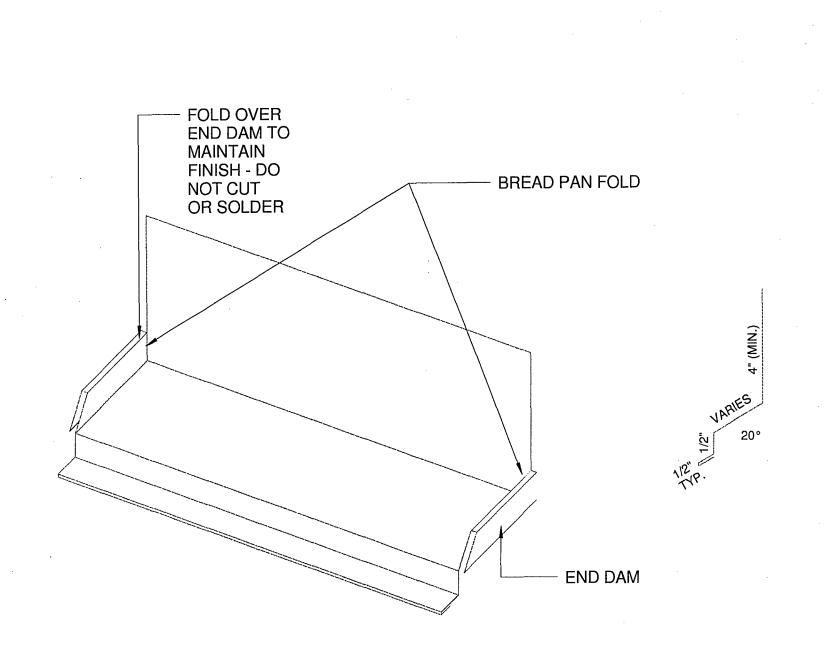




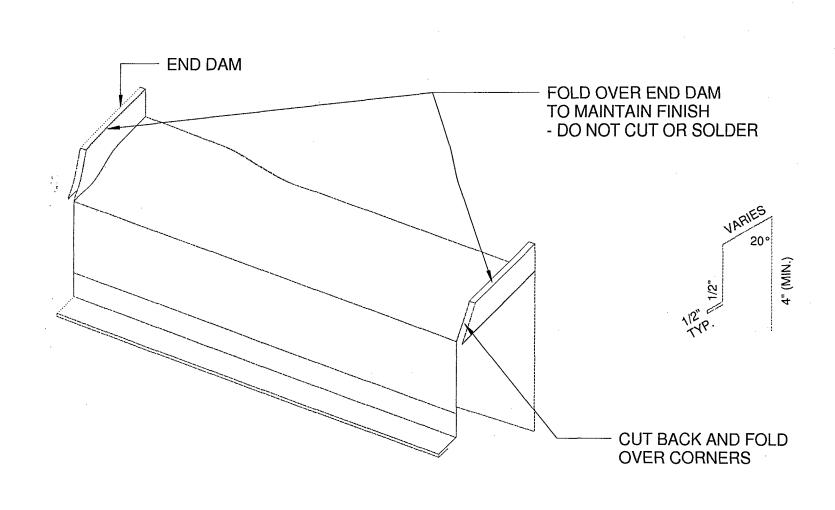








HEAD FLASHING - WINDOW & DOOR



SILL FLASHING - WINDOW

NOTES:

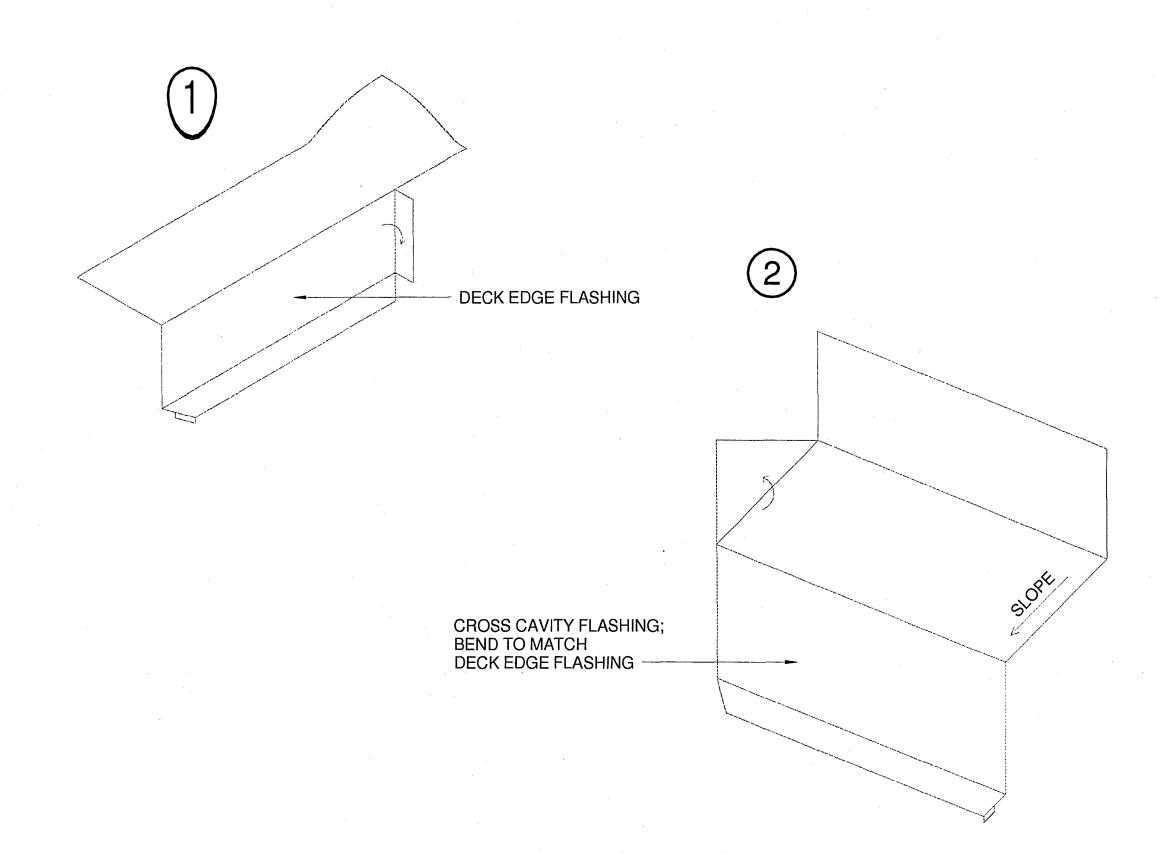
(1) PROVIDE MIN. 1/2" CLEARANCE BETWEEN FLASHING & CLADDING
(TYP. FOR ALL VENTING LOCATIONS)

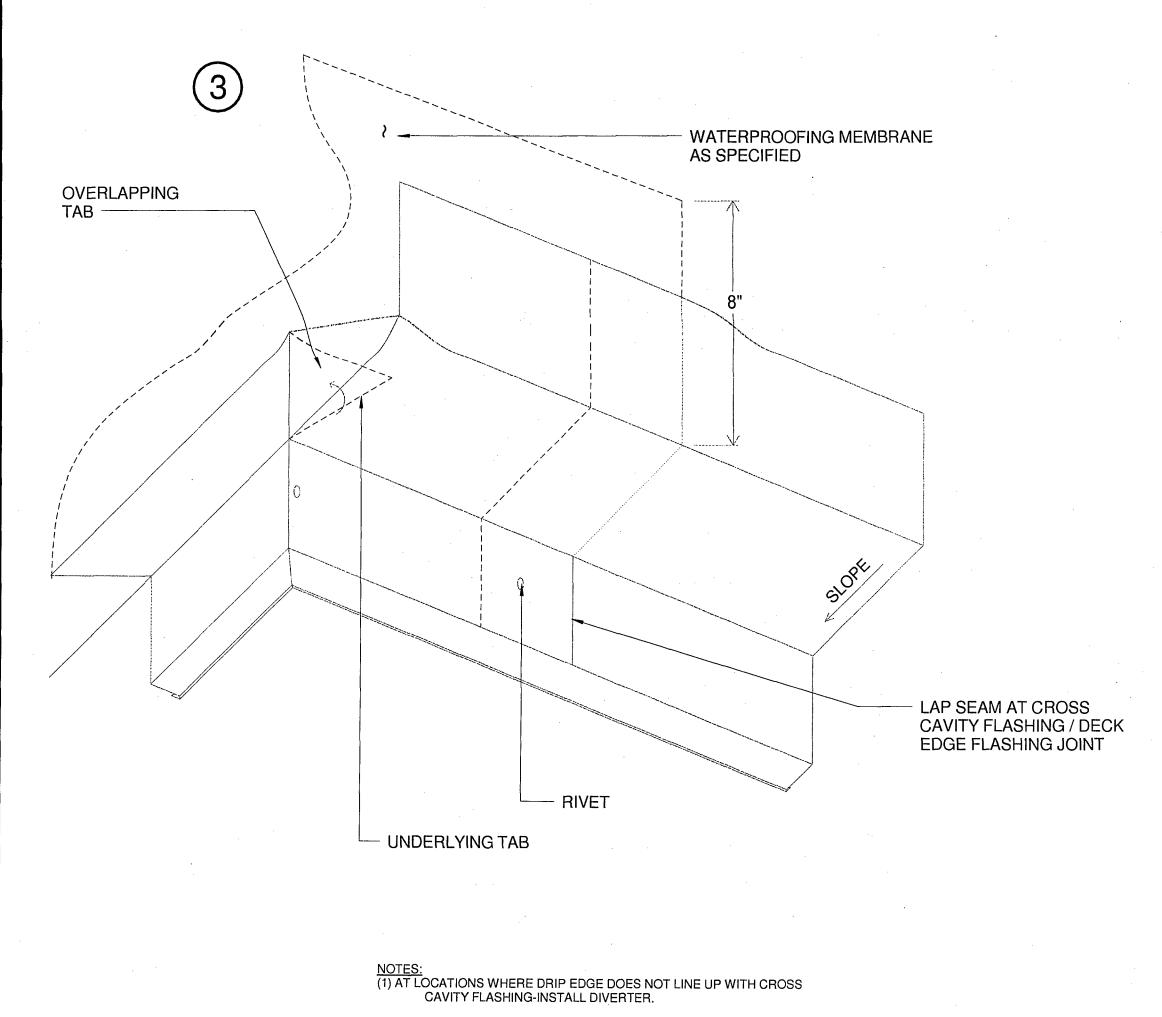
(2) FLASHING DIMENSIONS ARE SUBJECT TO VERIFICATION OF SPECIFIC SITE
CONDITIONS. REFER TO SPECIFIC DETAILS.

(3) NO FIELD SOLDERED JOINTS.

(4) DOUBLE BACK HEAD FLASHINGS AT WINDOWS & DOORS WHERE SHOWN
ON DETAILS.

(5) ANY EXPOSED UNDERSIDE OF FLASHING OR TRIMS AT WINDOW/DOOR
HEADS TO BE PAINTED.





DECK EDGE FLASHING / CROSS CAVITY FLASHING INTERFACE

