CITY OF KELOWNA

MEMORANDUM

ATTACHMENT

This forms part of application # OCP17-0007 & Z17-0021

Planner Initials

AC



Date:

April 10, 2017

File No.:

Z17-0021

To:

Urban Planning Management (AC)

From:

Development Engineering Manager (SM)

Subject:

130 McCurdy Road

A1 to C4

The Development Engineering Department has the following comments and requirements associated with this rezoning application for the property at 130 McCurdy Road to accommodate development of a 52-unit supportive housing project. The road and utility upgrading requirements outlined in this report will be requirements of this development.

The Development Engineering Technologist for this project is Jason Ough

1. Domestic Water and Fire Protection

- a) This development is within the service area of the Black Mountain Irrigation District (BMID). The developer is required to make satisfactory arrangements with the BMID for these items. All charges for service connection and upgrading costs, as well as any costs to decommission existing services are to be paid directly to BMID.
- b) The developer must obtain the necessary permits and have all existing utility services disconnected prior to removing or demolishing the existing structures.

2. Sanitary Sewer

- a) The subject property is currently within the sanitary Sewer Specified Area # 20 and is serviced by the municipal sanitary sewer collection system. Our records indicate that in 2005 a Spec Area fee was cash commuted for this property at a value equal to 2.34 Equivalent Dwelling Units (EDU). The developer will be responsible to cash commute the specified area charges for this development. The charge is currently set at \$ 2,458.33 per EDU, valid until March 31, 2017.

 The total charge is: (52 x 0.5) 2.34 = 23.66 EDU x \$2,458.33 = \$58,164.10
- b) Our records indicate that this property is currently serviced with a 100mm-diameter sanitary sewer service. The applicant's consulting mechanical engineer will determine the requirements of the proposed development and establish the service needs. Only one service per lot will be permitted for this development. If required, the applicant will arrange for the removal and disconnection of the existing service and the installation of one new larger service at the applicants cost. Contact Jason Ough (250 469 4519) for service work estimate.



Storm Drainage 3.

The developer must engage a consulting civil engineer to provide a storm water a) management plan for these sites which meets the requirements of the City Subdivision Development and Servicing Bylaw 7900. The storm water management plan must also include provision of lot grading plans, minimum basement elevations (MBE), if applicable, and provision of a storm drainage service and recommendations for onsite drainage containment and disposal systems.

4. Road Improvements

Required frontage improvements along McCurdy include: a)

Realign the existing curb to accommodate a 1.5m bike lane. i.

- Construct a 3m asphalt walkway 0.3m from the property line and grass ii. boulevard of varying width as per attached concept plan, including street trees and LED streetlights.
- Required frontage improvements along Rutland Road N include: b)
 - Construct 1.5m of sidewalk 0.3m from the property line, grass boulevard of i. varying width as per attached concept plan, including street trees and LED streetlights.

Roadway to include a 3.0m right turn lane, and 1.8m bicycle lane including ii.

transition.

- Let-downs and crosswalks to be realigned. c)
- Replacement and re-location or adjustment of utility appurtenances if required to d) accommodate the upgrading construction. Estimate provided as cash in lieu levy for frontage improvements.
- Provide a Traffic Signs/Pavement Marking design drawing. e)
- A landscape & irrigation design drawing for approval is required. f)
- The applicants civil engineering consultant will provide an estimated cost of g) required road improvement works for bonding purpose.

Subdivision and Dedication 5.

- Approximately 2.7m of road dedication is required along the entire frontage of a) McCurdy Road to match the property line at 1001 Aldon Rd.
- Approximately 5m of road dedication is required along the entire frontage of b) Rutland Road N to match the property line at 1024 Rutland Rd N.
- 6m corner rounding is required at the intersection of McCurdy and Rutland c) Roads.
- Dedicate 5m width along the full frontage of Findlay Road to match the property d) line north of 1297 Findlay Road.
- If any road dedication or closure affects lands encumbered by a Utility right-ofe) way (such as Hydro, Telus, Gas, etc.) please obtain the approval of the utility. Any works required by the utility as a consequence of the road dedication or

closure must be incorporated in the construction drawings submitted to the City's Development Manager.

6. <u>Development Permit and Site Related Issues</u>

- a) Direct the roof drains into on-site rock pits or splash pads.
- b) An MSU standard size vehicle must be able to manoeuvre onto and off the site without requiring a reverse movement onto public roadways. If the development plan intends to accommodate larger vehicles movements should also be illustrated on the site plan.

7. Electric Power and Telecommunication Services

The electrical and telecommunication services to this building must be installed in an underground duct system, and the building must be connected by an underground service. It is the developer's responsibility to make a servicing application with the respective electric power, telephone and cable transmission companies to arrange for these services, which would be at the applicant's cost.

8. Geotechnical Report

As a requirement of this application the owner must provide a geotechnical report prepared by a Professional Engineer qualified in the field of hydro-geotechnical survey to address the following:

- (a) Area ground water characteristics.
- (b) Site suitability for development, unstable soils, etc.
- (c) Drill and / or excavate test holes on the site and install pisometers if necessary. Log test hole data to identify soil characteristics, identify areas of fill if any. Identify unacceptable fill material, analyse soil sulphate content, identify unsuitable underlying soils such as peat, etc. and make recommendations for remediation if necessary.
- (d) List extraordinary requirements that may be required to accommodate construction of roads and underground utilities as well as building foundation designs.

(e) Additional geotechnical survey may be necessary for building foundations, etc.

Steve Muenz, P. Ehg.
Development Engineering Manager

ATTACHMENT A

This forms part of application
OCP17-0007 & Z17-0021

City of

Planner Initials

AC

Kelowna

COMMUNITY PLANNING



PERSPECTIVE VIEW - LOOKING SOUTH-WEST



500 - 153 SEYMOUR ST KAMLOOPS, BC V2C 2C7 PHONE 250.372.8845 richard@rhunterarchitect.com

2017

FREEDOM'S DOOR / KIGHTS OF COLUMBUS #6233 FATHER DELESTRE (2009) SOSIETY

HOUSING PROJECT 130 McCURDY ROAD KELOWNA, BC

- AA	FOR REVIEW	KH	17/05
No	Revision	Đy -	Digital

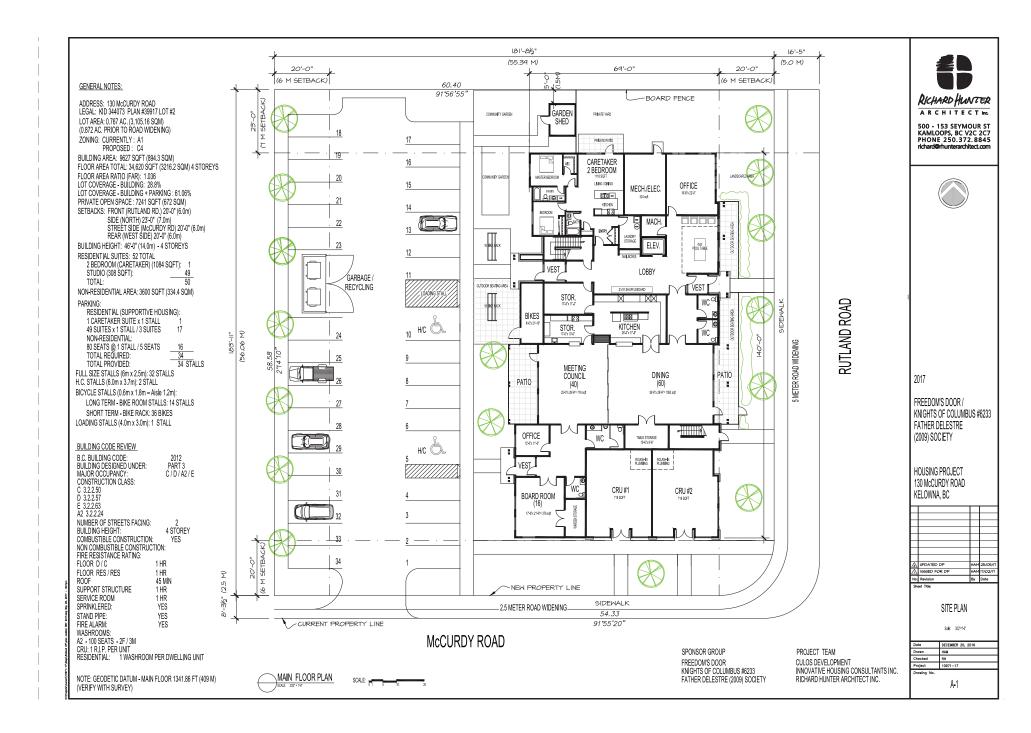
PERSPECTIVE VIEW

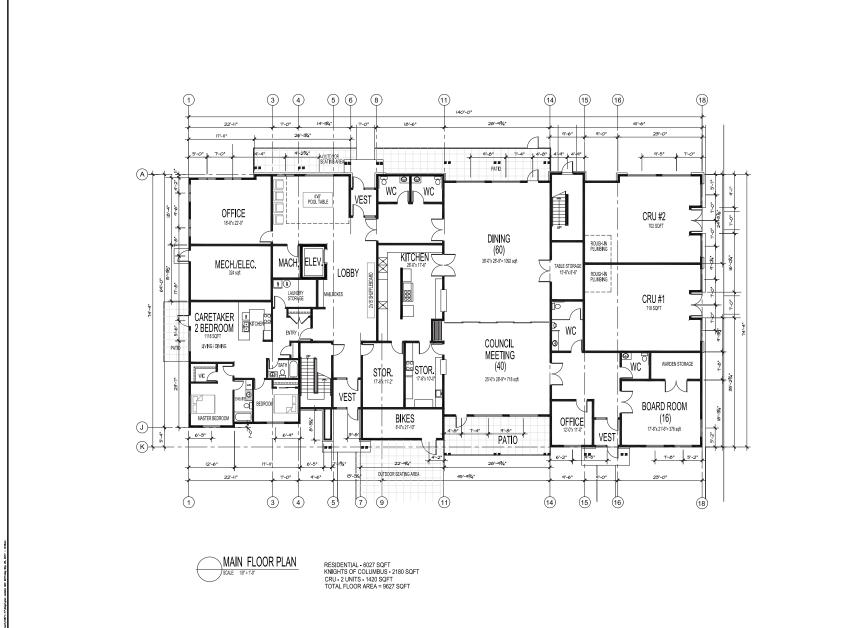
I ENGI LOTIVE VIL

TEG MEY TO!

Date	FEBRUARY 2017
Drown	HAM
Checked	RH
Project	

Project Drowing No.







500 - 153 SEYMOUR ST KAMLOOPS, BC V2C 2C7 PHONE 250.372.8845 richard@rhunterarchitect.com



201

FREEDOM'S DOOR / KIGHTS OF COLUMBUS #6233 FATHER DELESTRE (2009) SOCIETY

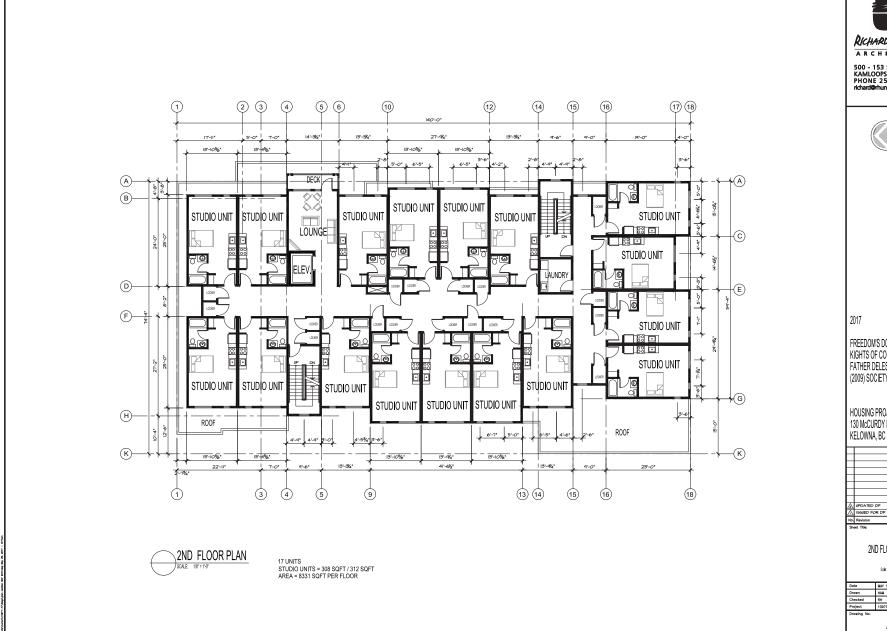
HOUSING PROJECT 130 McCURDY ROAD KELOWNA, BC

◬	UPDATED DP	HAM	25/05/I	
Δ	196UED FOR DP	HAM	17/02/1	
No.	Revision	Ву	Date	
She	Sheet Title:			

MAIN FLOOR PLAN

Scale: 118'=1'-0'

	Date	MAY 10, 2016
	Drawn	HAM
	Checked	RH
	Project	10971-17
	Drawing No.	
	1	



RICHARD HUNTER ARCHITECTING

500 - 153 SEYMOUR ST KAMLOOPS, BC V2C 2C7 PHONE 250.372.8845 richard@rhunterarchitect.com



FREEDOM'S DOOR / KIGHTS OF COLUMBUS #6233 FATHER DELESTRE (2009) SOCIETY

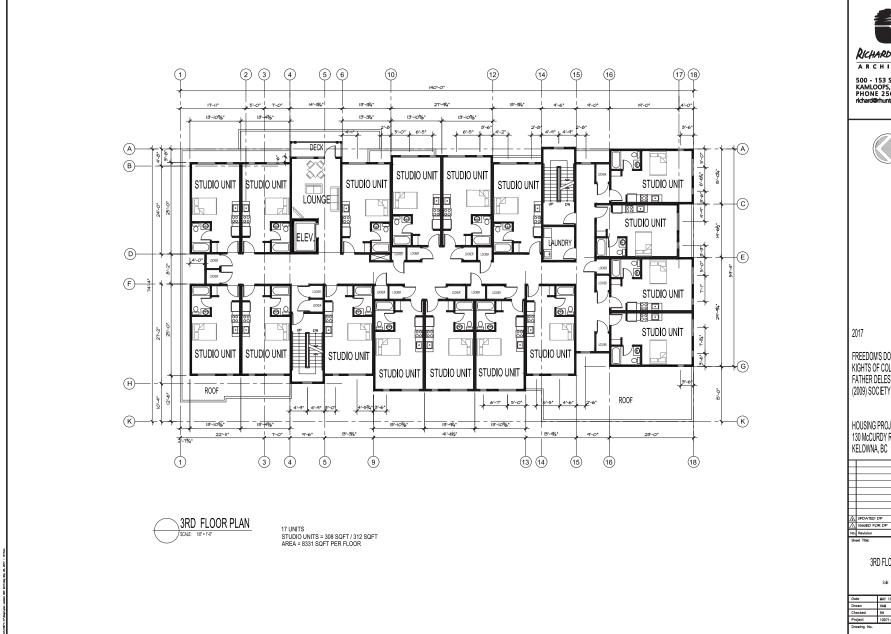
HOUSING PROJECT 130 McCURDY ROAD

Ì			
1			
Į	UPDATED DP	нам	25/05/IT IT/02/IT
Į	ISSUED FOR DP	нам	17/02/17
ļ	Revision	Ву	Date
1	set Title:		

2ND FLOOR PLAN

Scale: 18"=1"-0"

Date	MAT 10, 2016
Drawn	HAM
Checked	RH
Project	10971-17
Drawing No.	
	A-3



RICHARD HUNTER ARCHITECTING

500 - 153 SEYMOUR ST KAMLOOPS, BC V2C 2C7 PHONE 250.372.8845 richard@rhunterarchitect.com



FREEDOM'S DOOR / KIGHTS OF COLUMBUS #6233 FATHER DELESTRE (2009) SOCIETY

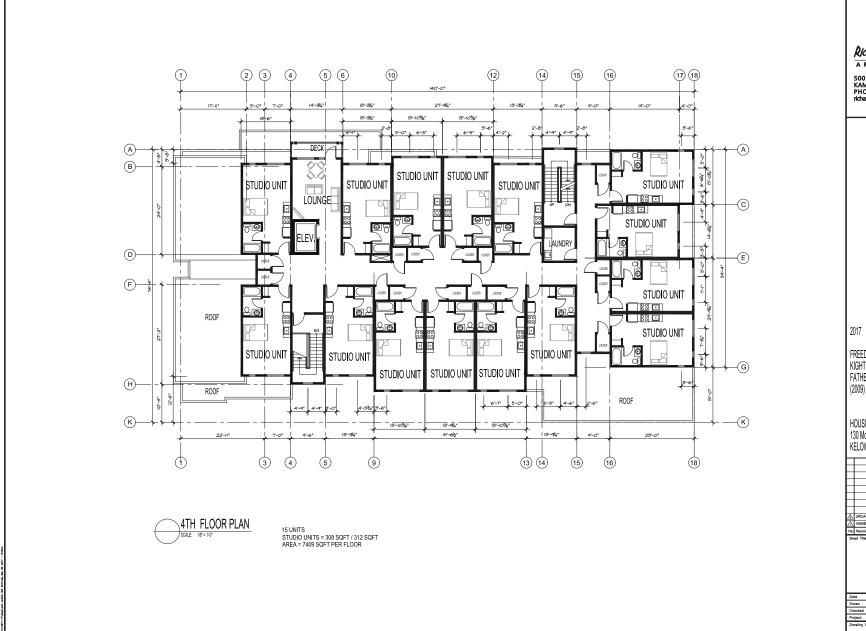
HOUSING PROJECT 130 McCURDY ROAD

_			
П		П	
Δ	UPDATED DP	нам	25/ <i>0</i> 5/1 17/02/17
Δ	ISSUED FOR DP	нам	17/02/17
No.	Revision	Ву	Date
She	Sheet Title:		

3RD FLOOR PLAN

Scale: 118°=1"-0"

	Date	MAY 10, 2016
	Drawn	HAM
	Checked	RH
	Project	10971-17
	Drawing No.	



RICHARD HUNTER
ARCHITECT INC.

500 - 153 SEYMOUR ST KAMLOOPS, BC V2C 2C7 PHONE 250.372.8845 richard@rhunterarchitect.com



FREEDOM'S DOOR / KIGHTS OF COLUMBUS #6233 FATHER DELESTRE (2009) SOCIETY

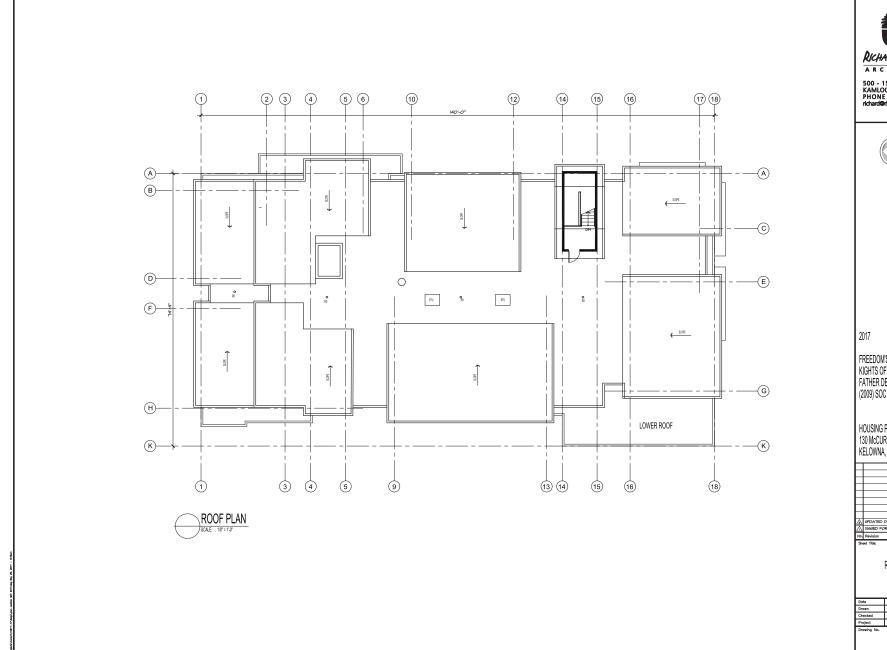
HOUSING PROJECT 130 McCURDY ROAD KELOWNA, BC

П			
П			
П			
⋬	UPDATED DP	нам	25/05/i 17/02/17
Δ	196UED FOR DP		
No.	Revision	Ву	Date
Sheet Title:			

4TH FLOOR PLAN

Scale: 18°=1°-0"

Date	MAY 10, 2016
Drawn	HAM
Checked	RH
Project	10971-17
Drawing No.	
	A-5



RICHARD HUNTER ARCHITECTING

500 - 153 SEYMOUR ST KAMLOOPS, BC V2C 2C7 PHONE 250.372.8845 richard@rhunterarchitect.com



FREEDOM'S DOOR / KIGHTS OF COLUMBUS #6233 FATHER DELESTRE (2009) SOCIETY

HOUSING PROJECT 130 McCURDY ROAD KELOWNA, BC

3\	UPDATED DP	нам	25/05 17/02/
$\overline{\Lambda}$	ISSUED FOR DP	нам	17/02/
٧o.	Revision	Ву	Date
Sheet Title:			

ROOF PLAN

Scale: 18'=1'-0'

	Date	MAY 10, 2016
	Drawn	HAM
	Checked	RH
	Project	10971-17
	Drawing No.	

BUILDING ENVELOPE CONSTRUCTION ASSEMBLIES

EXTERIOR (BUILDING ENVELOPE) CONSTUCTION ASSEMBLIES

ROOF ASSEMBLY - CEILING BELOW ATTIC

- 2-PLY SBS ROOFING MEMBRANE
 5/8" T&G PLYWOOD ROOF SHEATHING

- 5/3" T46 PLTYKOOD ROOF SHEATHING
 WOOD JOJETS SEE STRUCTURAL
 R-50 INSULATION
 6 ML POLY V.B.
 5/8" TYPE 'X' GYPSUM WALLBOARD (30 MIN FRR)

EXTERIOR WALL ASSEMBLY

- SIDING / STUCCO OR FACE BRICK (AS PER ELEVATIONS)

 2 LAYERS 30 MIR BUILDING PAPER

 1/2P FLYRODO SHEATHING

 2 20 MCOD STUDS AS PER STRUCTURAL

 83 35 (R-20) FIRMEDLASS BATT INSIL.

 1 KIRIDI INSILATION (R-3) CONTINUOUS

 3/20 TITLE X GPDSM HALLEDOND

- SLAB-ON-GRADE FLOOR ASSEMBLY . FINISHED EL CORING
- 4" REINFORCED CONCRETE SLAB (SEE STRUCTURAL) IO MIL POLY VAPOUR BARRIER
- GRANULAR BASE (SEE STRUCTURAL DRAWINGS)

INTERIOR CONSTUCTION ASSEMBLIES

INTERIOR WALL ASSEMBIES

TYPICAL PARTY WALL BETWEEN SUITES

- I THICAL PARTY WALL BETWEEN SUITES
 LIKE FIRE BOER WINGS STOCK

 5/6" TYPE 'X' GYPSIM WALLBOARD

 224 HOOD STUDS SEE STRUCTURAL

 3-1/2" ACCUSTIC BATT INSULATION

 1" AIR SPACE BATT INSULATION

 1" AIR SPACE BATT INSULATION

 244 HOOD STUDS SEE STRUCTURAL

 3/6" TYPE 'X GYPSIM HALLBOARD

 SEE STRUCT, DWOS FOR SHARWALL LOCATION

TYPICAL CORRIDOR WALL

- LINE FRR. BCRC #Wbb STG52

 5/6" TYPE 'X' GYPSMY MALLBOARD

 2/6 MOOD TOP 6 BTM PLATES

 5 TAGGERED 2A4 MOOD STUDS

 3-1/2 ACCUSTIC BATTI REQLATION

 2 LAYERS 5/6" TYPE X" GYPSMY MALLBOARD

 5EE STRUCT, DMG5 FOR GHEARMALL LOCATION

TYPICAL INTERIOR WALL

- 5/8" TYPE 'X' 6YPSUM WALLBOARD
 2X4 WOOD STUDS SEE STRUCTURAL
 5/8" TYPE 'X' 6YPSUM WALLBOARD
 AQUA BOARD AROUND TUB

INTERIOR FLOOR ASSEMBIES

TYPICAL 1HR FRR FLOOR ASSEMBLY

- LHR FRR BCBC IFFIG STC51

 FINISHED FLOORING

 INDERLAY

 I-I/I2' CONCRETE TOPPING

 30' TISE FLYOOD SUB FLOOR

 HAMPACTIRED MOOD I JOISTS

 3' RESILIENT METAL CHANNELS 6 16' Oc.

 2 LATERS 3' TITE X 67PSMM WALLBOARD







500 - 153 SEYMOUR ST KAMLOOPS, BC V2C 2C7 richard@rhunterarchitect.com



FREEDOM'S DOOR / KIGHTS OF COLUMBUS #6233 FATHER DELESTRE (2009) SOSIETY

HOUSING PROJECT 130 McCURDY ROAD KELOWNA, BC





