

CITY OF KELOWNA

MEMORANDUM

Date:

October 27, 2017

File No.:

DP17-0204

To:

Urban Planning (LK)

From:

Development Engineer Manager (JK)

Subject:

1250-1298 Ellis Street

(REVISED)

Development Engineering Department have the following comments and requirements associated with this application. The road and utility upgrading requirements outlined in this report will be a requirement of this development.

The Development Engineering Technologist for this project is Jason Angus

1. Domestic Water and Fire Protection

The subject property is currently serviced with a 200mm-diameter water service. The developer's consulting mechanical engineer will determine the domestic and fire protection requirements of this proposed development. The applicant, at his cost, will arrange for the disconnection of existing service and the installation of a new service if necessary.

2. Sanitary Sewer

City of Kelowna's records indicate that this property is connected with three (3) sewer services. The developer's consulting mechanical engineer will determine the development requirements of this proposed development and establish the service needs. Only one service will be permitted for this development. The applicant, at his cost, will arrange for the removal and disconnection of the existing services and the installation of one new larger service if necessary.

3. Storm Drainage

- (a) The developer must engage a consulting civil engineer to provide a storm water management plan for the site, which meets the requirements of the City Storm Water Management Policy and Design Manual. The storm water management plan must also include provision of lot grading plan, minimum basement elevation (MBE), if applicable, and recommendations for onsite drainage containment and disposal systems.
- (b) On site storm drainage systems for the site will be reviewed and approved by Engineering when a site servicing design is submitted.
- (c) There is a possibility of a high water table or surcharging of storm drains during major storm events. This should be considered in the design of the onsite system.

4. Road Improvements

- (a) Ellis Street fronting this development site is urbanized but the existing curb and sidewalk is in a deteriorated state. The existing driveway letdowns will need to be removed and replaced with barrier curb and gutter and sidewalk. The upgrades will require curb, gutter, driveway letdown and sidewalk removal and reconstruction, as well as the re-location or adjustment of existing utility appurtenances if required to accommodate the upgrading construction.
- (b) <u>Cannery Lane</u> behind the development has existing pavement markings for parking stalls which must be removed.

5. Electric Power and Telecommunication Services

- a) All proposed service connections are to be installed underground. 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.
- b) Re-locate existing utilities, where necessary

8. <u>Design and Construction</u>

- (a) Design, construction supervision and inspection of all off-site civil works and site servicing must be performed by a Consulting Civil Engineer and all such work is subject to the approval of the City Engineer. Drawings must conform to City standards and requirements.
- (b) Engineering drawing submissions are to be in accordance with the City's "Engineering Drawing Submission Requirements" Policy. Please note the number of sets and drawings required for submissions.
- (c) Quality Control and Assurance Plans must be provided in accordance with the Subdivision, Development & Servicing Bylaw No. 7900 (refer to Part 5 and Schedule 3).
- (d) A "Consulting Engineering Confirmation Letter" (City document 'C') must be completed prior to submission of any designs.
- (e) Before any construction related to the requirements of this subdivision application commences, design drawings prepared by a professional engineer must be submitted to the City's Development Engineering Department. The design drawings must first be "Issued for Construction" by the City Engineer. On examination of design drawings, it may be determined that rights-of-way are required for current or future needs.

9. Servicing Agreements for Works and Services

(a) A Servicing Agreement is required for all offsite works and services on City lands in accordance with the Subdivision, Development & Servicing Bylaw No. 7900. The applicant's Engineer, prior to preparation of Servicing Agreements, must

- provide adequate drawings and estimates for the required works. The Servicing Agreement must be in the form as described in Schedule 2 of the bylaw.
- (b) Part 3, "Security for Works and Services", of the Bylaw, describes the Bonding and Insurance requirements of the Owner. The liability limit is not to be less than \$5,000,000 and the City is to be named on the insurance policy as an additional insured.

10. Other Engineering Comments

- (a) Provide all necessary Statutory Rights-of-Way for any utility corridors as required.
- (b) If any road dedication affects lands encumbered by a Utility right-of-way (such as Terasen, etc.) please obtain the approval of the utility prior to application for final subdivision approval. Any works required by the utility as a consequence of the road dedication must be incorporated in the construction drawings submitted to the City's Development Manager.

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

- (a) Access and Manoeuvrability
 - (i) Access to the site will be permitted from the lane only.
 - (ii) Indicate on the site plan, the locations of loading bays as well as the garbage and recycle bins.

James Kay, P. Eng.

Development Engineering Manager

JA

ZONING SUMMARY		C10LP
ellis street warehouse 2017 additions		O I O E I
ADDRESS	1250 - 1298 Ellis Street, Kelowna BC	
LEGAL DESCRIPTION	Lot 1, DL 139 ODYD Plan 660	
DEVELOPMENT PERMIT AREA	Central Business District, CITY CENTRE	
EXISTING ZONING	C10LP	
EXISTING LEGAL USE	Service Commercial	
GRADES	Existing Average: flat	
NUMBER OF BUILDINGS	1 building	
CRITERIA FOR		

411 71/770 07 4771 10471011		
ALL TYPES OF APPLICATION:	C10LP service commercial (liquor prima	ry)
	ZONING STANDARD	PROPOSED
SITE AREA (sm)	1,000 sm min	existing 5,596+/-sm
SITE WIDTH (m)	30.0 m min	existing 42.696+/-m
SITE DEPTH (m)	30.0 m min	existing 131.044+/-m
OFF-STREET PARKING	existing 32 stalls	existing 32 stalls
PARKING STALL SIZE	see parking calculations	see parking calculations
PRIVATE OPEN SPACE	existing condition	existing condition
HEIGHT OF BUILDING (S)/# OF STOREYS	12 m or 3 storeys	existing 1-storey+2-storey/mezz
SITE COVERAGE OF BUILDING(S) (%)	60% max	78.7%± (decrease in original %)
		area of demolition: 430.5sf (40.0sm)
		area of addition: 355.5sf (33.0sm)
		(existing non-conforming)
SITE COVERAGE INCLUDING BUILDINGS,	N/A	N/A

ı	
	ADDITIONAL REQUIREMENTS FOR
	COMMERCIAL, INDUSTRIAL AND
	MULTIPLE UNIT / INTENSIVE
	DECIDENTIAL ADDITIONS:

DRIVEWAYS AND PARKING (%)

RESIDENTIAL APPLICATIONS:	C10LP service commercial (liquor primary)				
NUMBER OF BICYCLE PARKING SPACES	Class I: 0.20 per 100 sm GLA or 1 per 10 employees Class II: 0.60 per 100 sm GLA	existing condition			
NUMBER OF LOADING SPACES	1 per 1,900 sm GFA	existing condition			
DRIVE AISLE WIDTH (m) (IF PROPOSED)	7.0	existing 7.0+/-m			
SETBACKS TO PARKING					
FRONT	N/A	N/A			
SIDE	N/A	N/A			
SIDE	N/A	N/A			
REAR	N/A	N/A			
FLOOR AREA NETT	3,637 sm max	(6,292 /5,596) sm			
FLOOR AREA RATIO (F.A.R.)	0.65max	1.12+/- existing (no increase in FAR) new addition do not increase NFA (existing non-conforming)			

UILDING (S) SE	TBACKS	(M):	
-				

Side	North (Lane)	0 m	existing 0.94+/-m
Side South (Cawston)		0 m (2.0m abutting a flanking street)	existing 2.3+/-m
Rear	West (Lane)	0 m	existing 0m
Front	East (Ellis)	2.0 m	existing 0m (existing non-conforming)
DAYLIGHT ANGLE (IF A	TOWER)	N/A	N/A
PODIUM HEIGHT (IF PR	OPOSED)	N/A	N/A
FLOOR PLATE SIZE (IF REQUIRED)		N/A	N/A



PARKING CALCULATIONS					
FULL SIZE STALLS	6.0 m x 2.5 m				
BARRIER FREE STALLS	6.0 m x 3.7 m				
MEDIUM STALLS	4.8 m x 2.3 m				
COMPACT STALLS	3.4 m x 2.0 m				
DRIVING AISLES	7.0 m wide				
PARKING:					
	existing 32 stalls				

	DITIONS					
COMPARTMENT A (No new	work in this ar	ea):				
OCCUPANCY	GROUP A2	GROUP I) (GROUP E		GROUP F2
ARTICLE	3.2.2.25	3.2.2.58		3.2.2.64		3.2.2.74
NO. OF STOREYS	1	•			'	
NO. OF STREETS FACING	2					
BUILDING AREAS:	EXIST. (NON-CONFOR	RMING)	CODE MA	AX.		
	2,336 ±sm	2,336 ±sm 1				
CONSTRUCTION TYPE	COMBUSTIBLE	E / NON-COM	BUSTIBLE			
SPRINKLERED	NO					
ASSEMBLY RATINGS:						
FLOOR	N/A	N/A				
WALLS / BEARING STRUCTURE	45 MIN. OR NO	45 MIN. OR NON-COMBUSTIBLE				
ROOFS	45 MIN. OR NO	N-COMBUST	TIBLE			
MEZZANINE	N/A					
COMPARTMENT B:						
OCCUPANCY	GROUP A2	GROUP I) (GROUP E		GROUP F2
ARTICLE	3.2.2.26	3.2.2.59		3.2.2.65		3.2.2.75
NO. OF STOREYS	2 (Plus level 3	mezzanine)	'			
NO. OF STREETS FACING	2					
NOTES:	Level 3 not to b	e considered	a story in a	ccordance	with A -	1.1.1.1.(1)#
	Building is separated into 2 compartments by existing masonry firewall			onry		
BUILDING AREAS:	PROPOSED	PROPOSED		CODE MAX.		
	2068 ±sm	2068 ±sm		2,400 sm		
CONSTRUCTION TYPE	COMBUSTIBLE	COMBUSTIBLE / NON-COMBUSTIBLE				

BUILDING AND FLOOR AREAS:

YES

45 MIN.

45 MIN.

45 MIN.

NO RATING

SPRINKLERED

MEZZANINE

ASSEMBLY RATINGS:

WALLS / BEARING STRUCTURE

NFA		±sf	±sm	
LEVEL 1	existing area	44,640	4,147	
LEVEL 2	existing area	19,073	1,772	
LEVEL 3	existing area	4,018	373	
	Total	67,731	6,292	
			•	
Building Footprint Area				

Building Footprint Area:				
	existing area	47,051.0	4,371	
	new addition	355.5	33	
	Total	47,406.5	4,404	

3.2.3.1.D

NOTE: BLDG SEPARATED INTO 2 FIRE COMPARTMENTS (SEE BLDG CODE REVIEW ABOVE)					
COMPARTMENT A BLDG AREA: 25,142 2,336					
COMPARTMENT B BLDG AREA:	22,264	2,068			

SPATIAL SEPARATION:

WALL AREA	
OPENING AREA	
% PROVIDED	EXIST. WALL CONSTRUCTION / OPENING SIZES ARE UNCHANGED. OPENINGS IN EXIST.
LIMITING DISTANCE	BLDG. FACES FACE STREETS IN ALL CASES.
% PERMITTED	
CONSTRUCTION TYPE	
CLADDING MATERIAL	
REQUIRED RATINGS	

ACCESSIBILITY REC	UIREME	ENTS 3.8	•
	REQUIRED	PROVIDED	
ACCESS TO 1ST FLOOR ENTRANCES	YES	YES	
ACCESS TO ALL FLOORS	YES	YES	
ACCESSIBLE WASHROOM	YES	YES (BY TENANTS)	
(NOTE: TENANTS TO INCLUDE DIMENSION	ONED FLOOR P	LANS FOR H/C WASHROOMS AS PART OF THEIR	
LEASEHOLD PERMIT APPLICATIONS - N	.I.C.)		

_				
	FIRE PROTECTION	N:	3.2.4./ 3.2.5	./ 3.2.6.
•	LOCATION OF HYDRANT TO SIAMESE CONNECTION	45 m MAX. (COMPARTMENT	B ONLY)	INDUSTRIAL 3.2.5.5.
ŀ	STANDPIPE/HOSE	NO		3.2.5.8.
ļ	SPRINKLERED	YES (COMPARTMENT B ON	LY)	
	FIRE ALARM SYSTEM	YES		3.2.4.1.(2)(f)
	EXIT LIGHTS	YES		
	EMERGENCY LIGHTING	YES		

OCCUPANT LOAD

TABLE 3.1.17.1.

EACH TENANT TO PROVIDE OCCUPANT LOAD CALCULATIONS AS PART OF THEIR LEASEHOLD PERMIT APPLICATIONS.

EXIT FACILITIES	3.1	TO 3.6
REQUIRED EXITS	2 MIN. PER UNIT	
	(SEE SEPARATE LEASEHOLD PERMIT APPLICATI REQUIREMENTS @ EACH CRU)	ONS FOR EXIT
EXIT THROUGH LOBBY	YES (NEW STAIR ADDITION)	3.4.4.2
PANIC HARDWARE REQ'D	YES (@ EXTERIOR STAIR DOORS AND LOBBY)	3.4.6.16
EXIT EXPOSURE	ОК	3.2.3.13
MAX. TRAVEL DISTANCE	45 m	3.4.2.5.(1c)
		3.4.2.1.(2b)
EXIT RATINGS REQUIRED:		
STAIR SHAFT	45 MIN.	
CORRIDORS	N/A	

REQUIRED FIRE S	SEPARATIONS	3.1.3.1.
TENANTS / MAJOR OCCUPANCIES		
MIN. SUITE SEPARATION	1 HR	3.3.1.1
GROUP A-2 to F3	2 HR	
GROUP A-2 to E	2 HR	
GROUP D to E	1 HR	
GROUP D to F2	1 HR	
SERVICES ROOMS	1 HR	3.6.2
JANITOR ROOM	NON-RATED	3.2.1.21.(3)

BUILDING FIRE S	AFETY	
SOFFIT PROTECTION	N/A	3.2.3.16.
FLAME SPREAD RATINGS	COMPLY WITH:	3.1.13.2
METAL DECK ASSEMBLIES	COMPLY WITH:	3.1.14.2.
ROOF COVERING		
CLASSIFICATION	CLASS "A"	3.1.15.2.
ATTIC FIRE BLOCKS	EXIST	3.1.11.5
MAX. ATTIC AREA	EXIST.	3.1.11.5.
MAX. CRAWLSPACE AREA	N/A	3.1.11.6.
CONCEALED FLOOR AREA	N/A	3.1.11.6.

WASHROOM FIXTURES REQUIREMENTS

EACH TENANT TO CONFIRM WASHROOM REQUIREMENTS FOR THEIR SPACE AS PART OF THEIR LEASEHOLD IMPROVEMENT PERMIT APPLICATION (N.I.C.)

262 MAIN STREET PENTICTON, B.C. V2A 5B2 TEL: 250.492.3143 FAX: 250.492.0318 EMAIL: pen-mai@shaw.ca 233 BERNARD AVENUE KELOWNA, B.C. TEL: 250.762.3004 FAX: 250.762.8707

EMAIL: kel-mai@shaw.ca



2017-11-04 city comments

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No.	Date	Revision
01	2017-09-08	rezoning + DP
02	2017-09-14	demising wall BP
03	2017-09-20	revised DP (no rezoning)
04	2017-09-26	revised demising wall BP
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06	2017-11-04	revised DP (City comments)

ELLIS WAREHOUSE 2017 additions

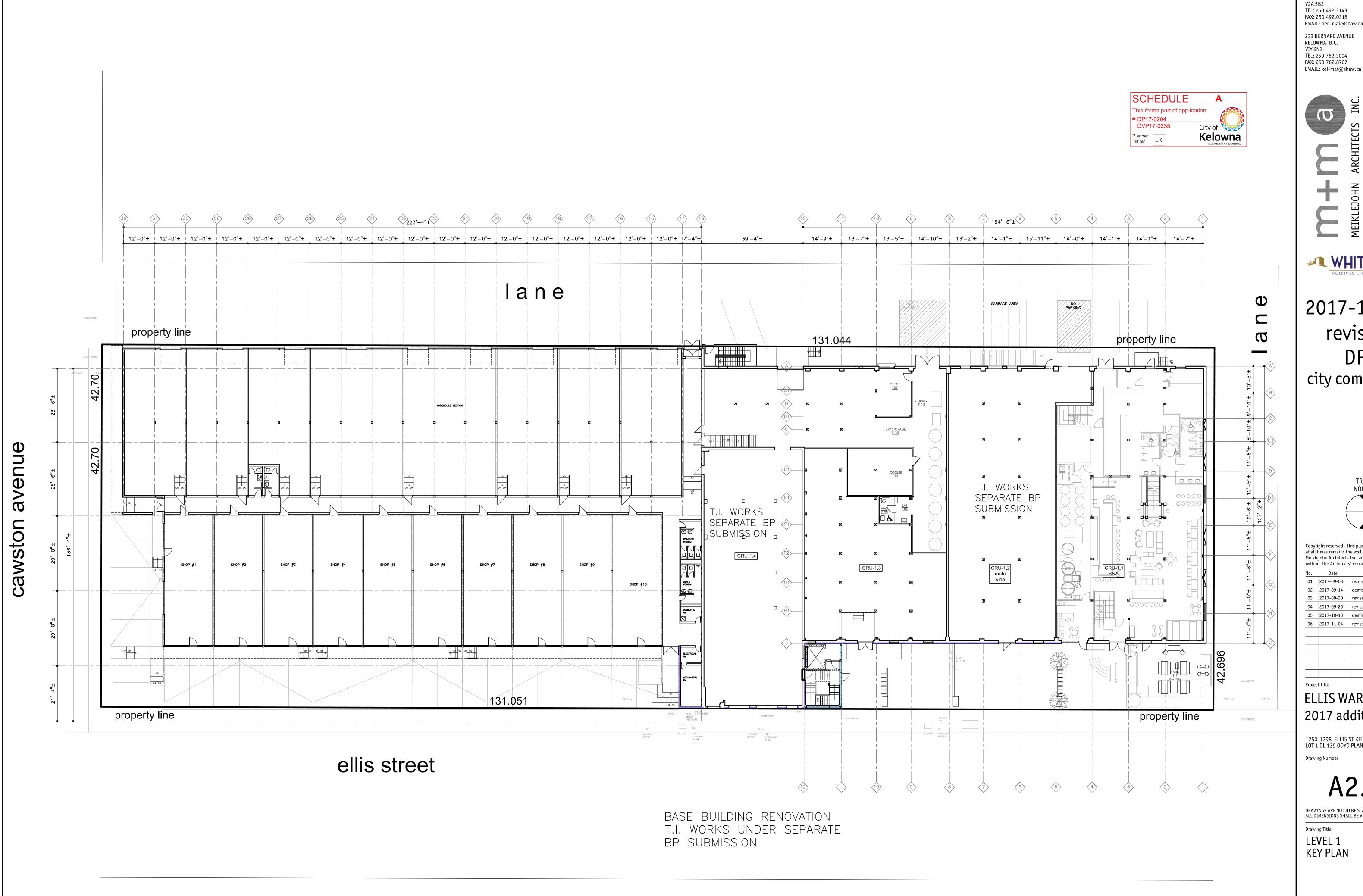
1250-1298 ELLIS ST KELOWNA V1Y 1Z4 LOT 1 DL 139 ODYD PLAN 660

A1.01

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zoning +code

Date	2017-10-13
Job No.	17-1770
Scale	AS SHOWN
Drawn	SINH
Checked	JM



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2017-11-04 revised city comments



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01 | 2017-09-08 | rezoning + DP 02 | 2017-09-14 | demising wall BP 03 2017-09-20 revised DP (no rezoning 06 2017-11-04 revised DP (City comments)

ELLIS WAREHOUSE 2017 additions

1250-1298 ELLIS ST KELOWNA V1Y 1Z4 LOT 1 DL 139 ODYD PLAN 660

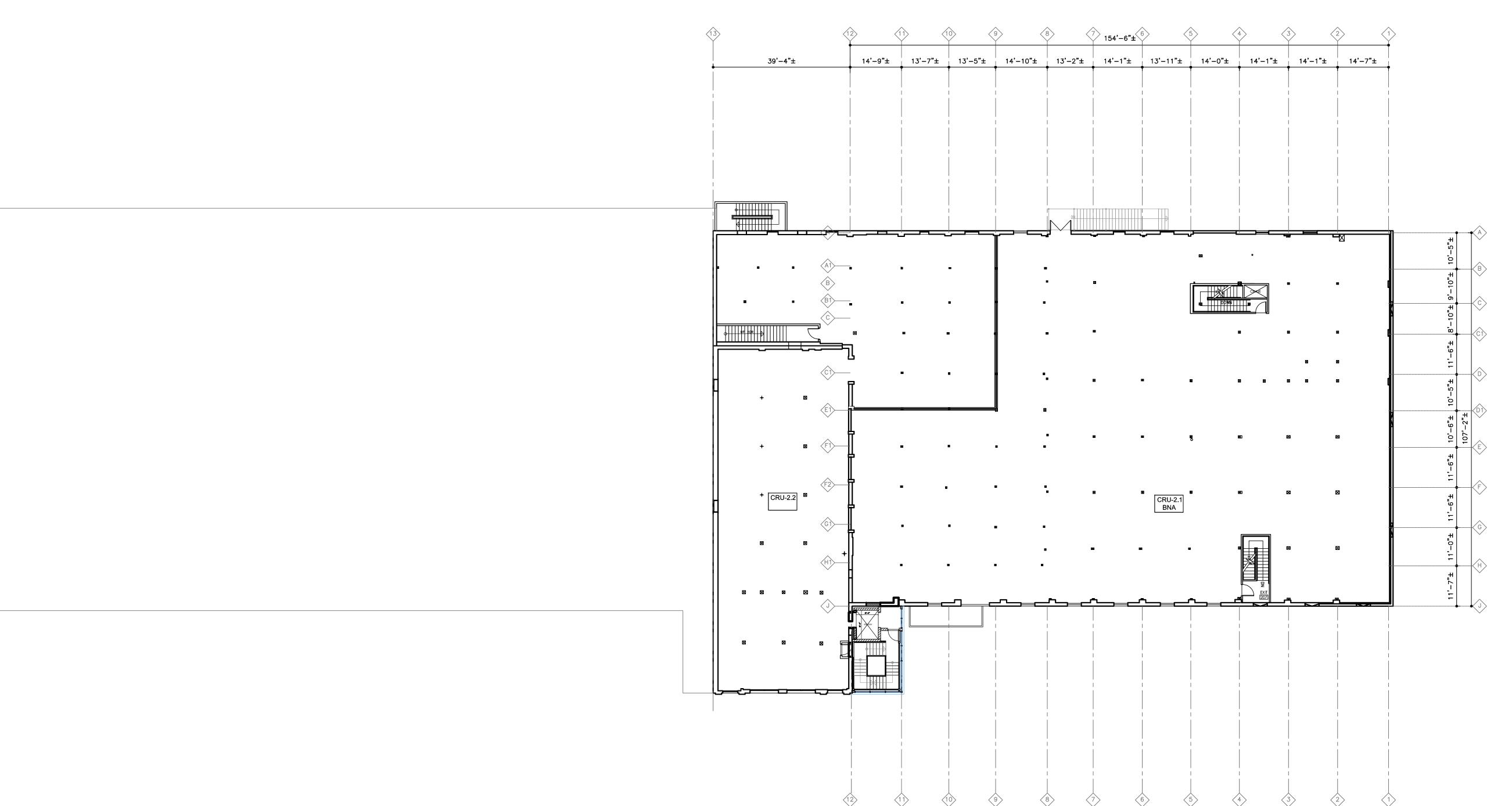
A2.01

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KEY PLAN

Date	2017-10-13
Job No.	17-1770
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2017-11-04
revised
DP
city comments



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Projec	ct Title	

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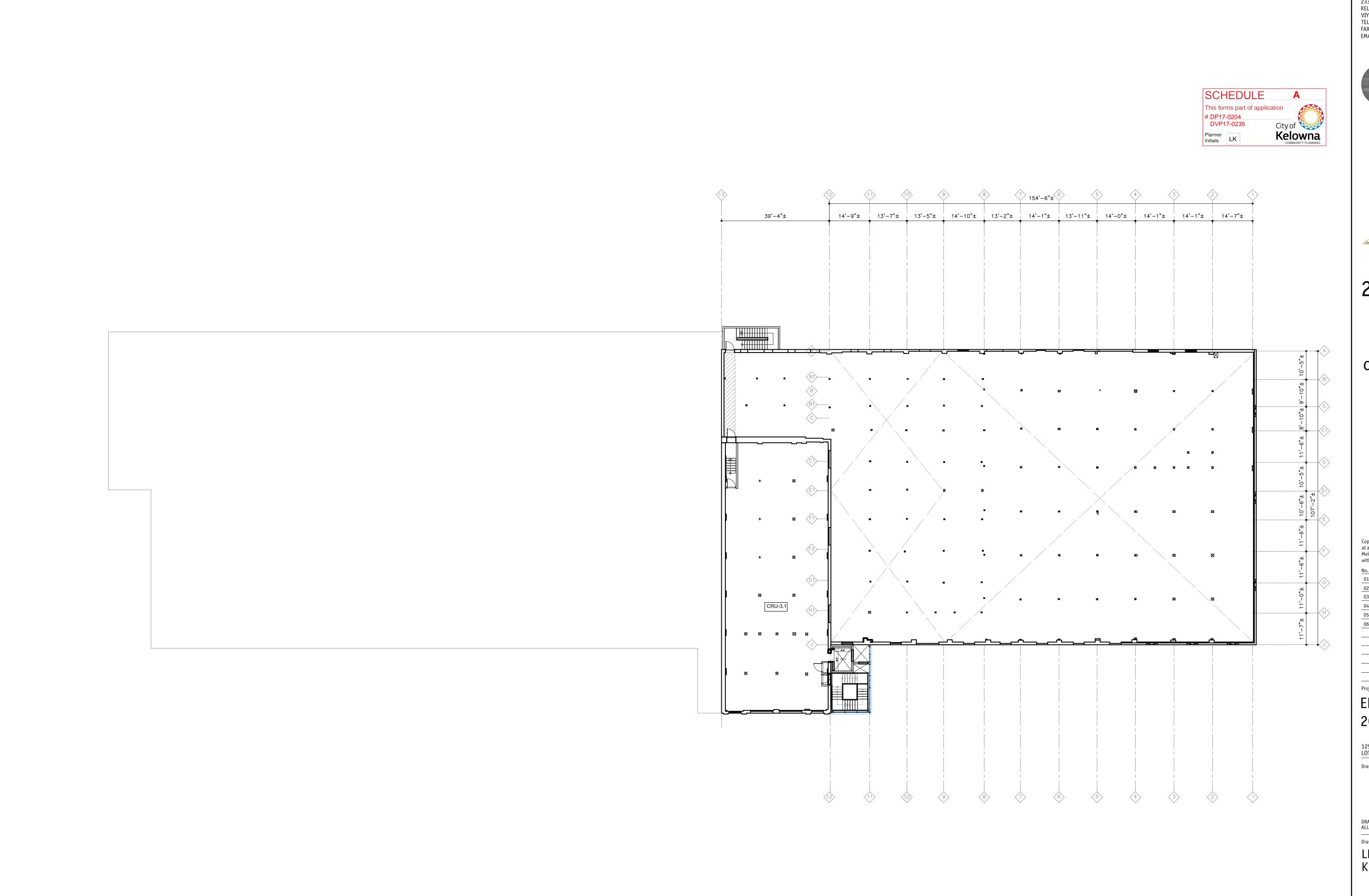
Drawing Number

A2.02

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Drawing Title
LEVEL 2
KEY PLAN

Date	2017-10-13
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DP
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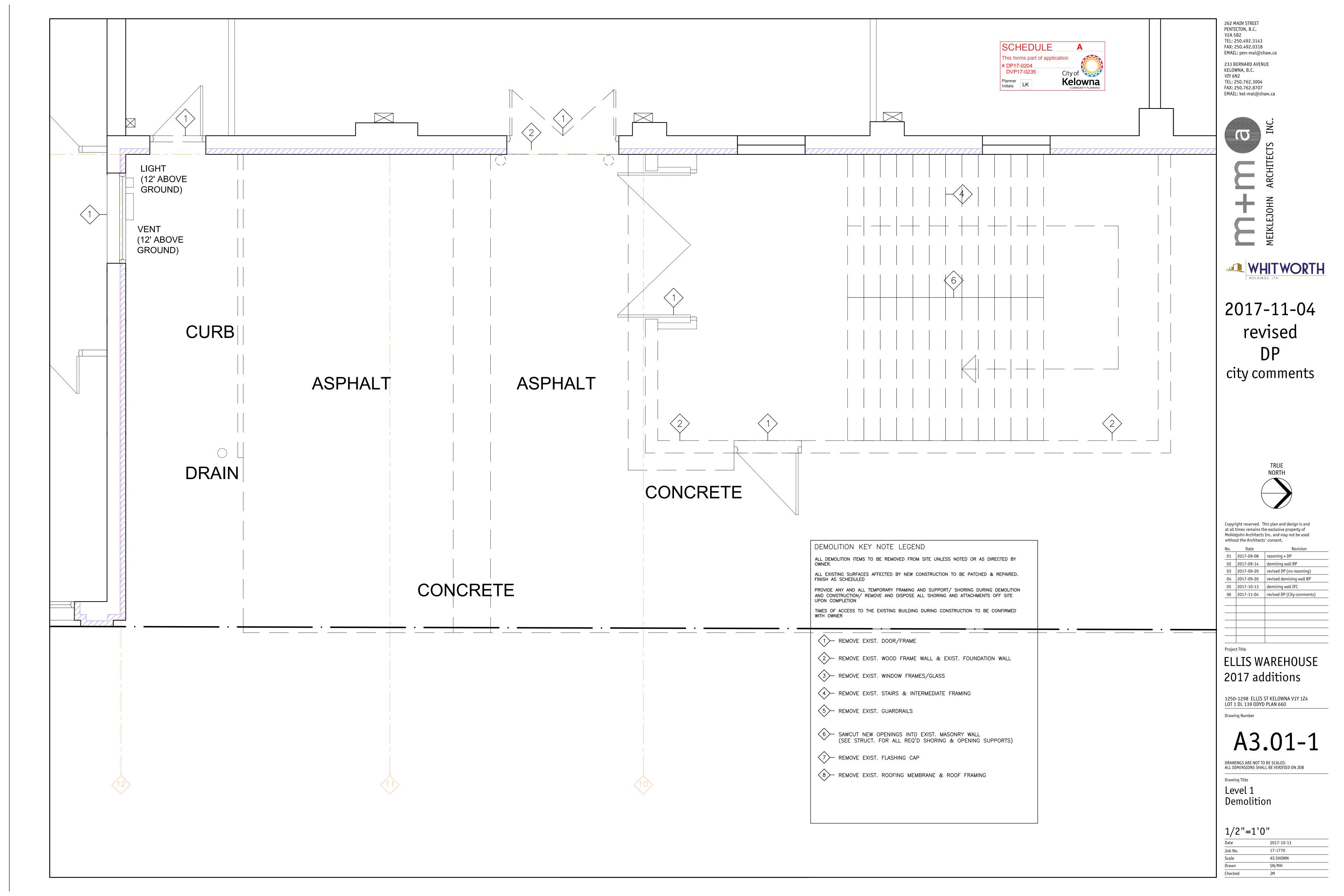
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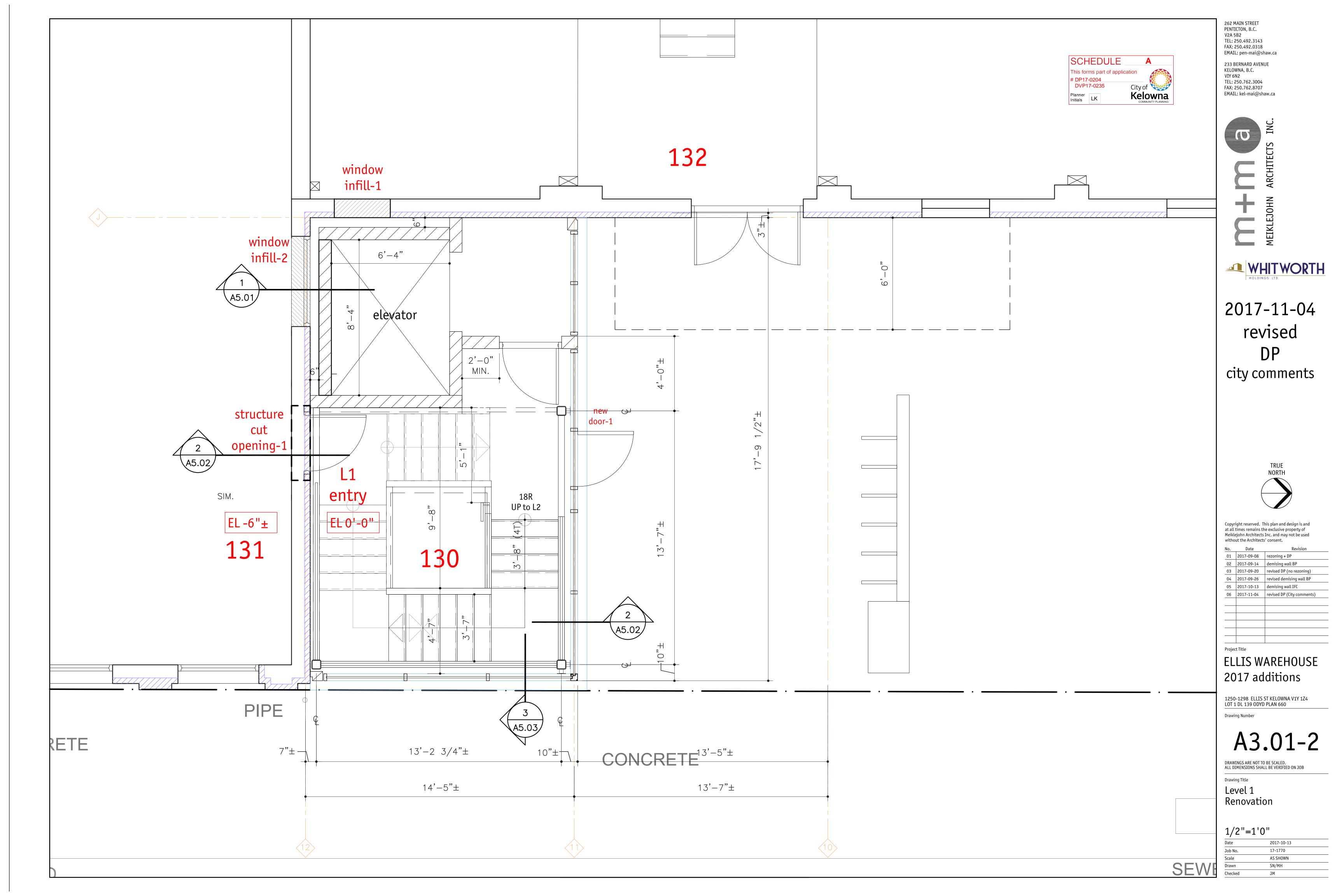
A2.03

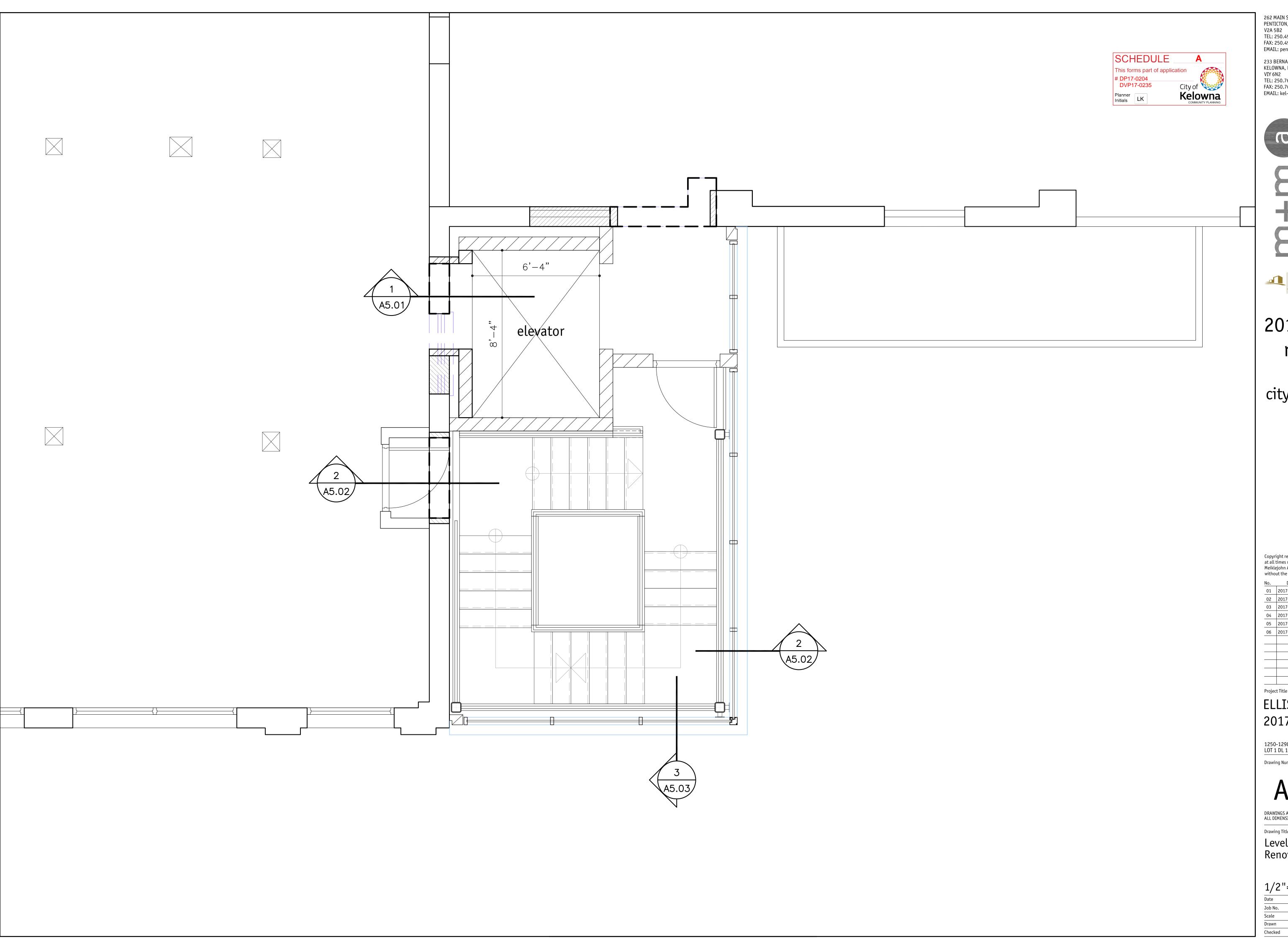
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Drawing Title
LEVEL 3
KEY PLAN

Date	2017-10-13
Job No.	17-1770
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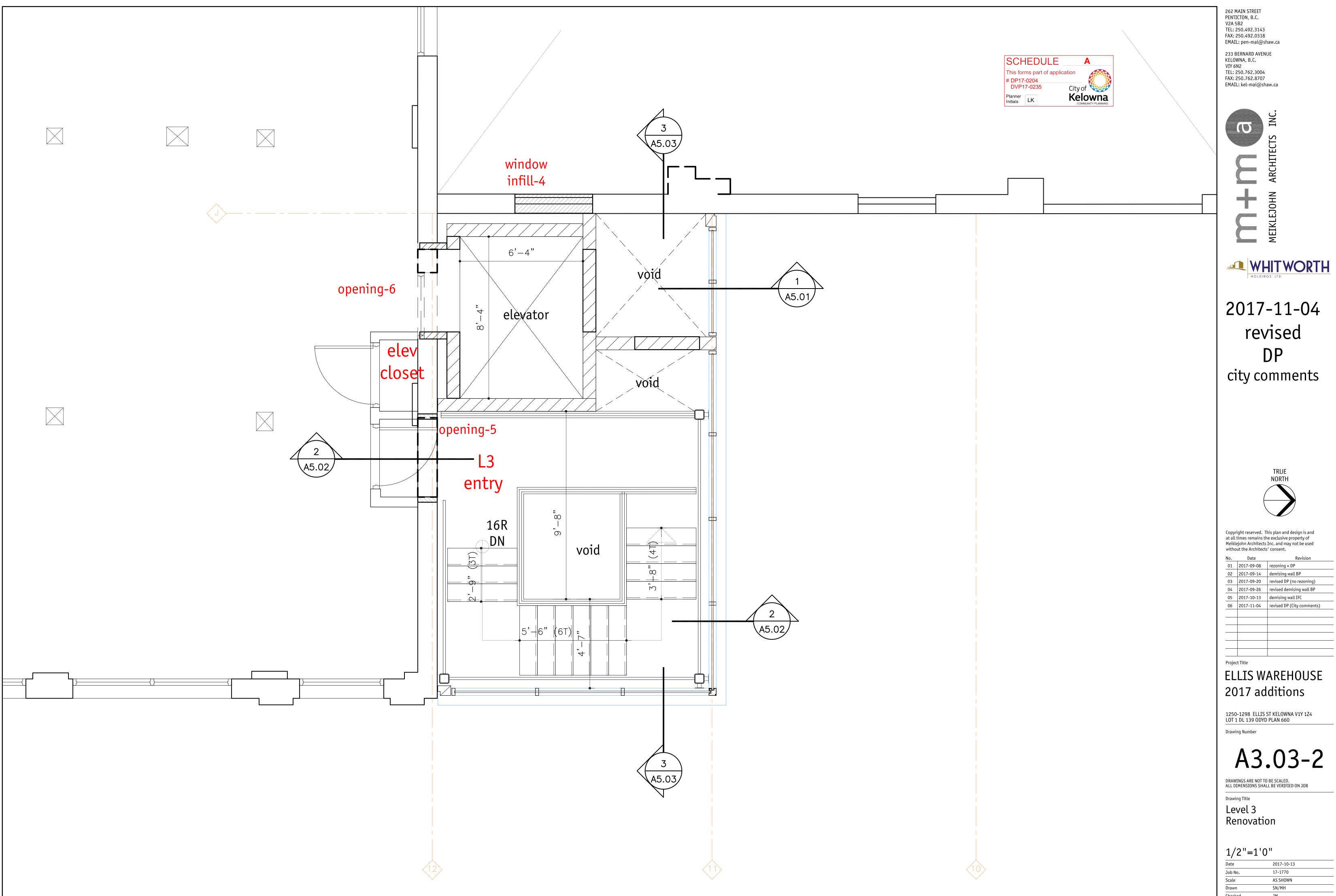
A3.02-2

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Drawing Title Level 2 Renovation

1/2"=1'0"

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Date	2017-10-13
Job No.	17-1770
Scale	AS SHOWN
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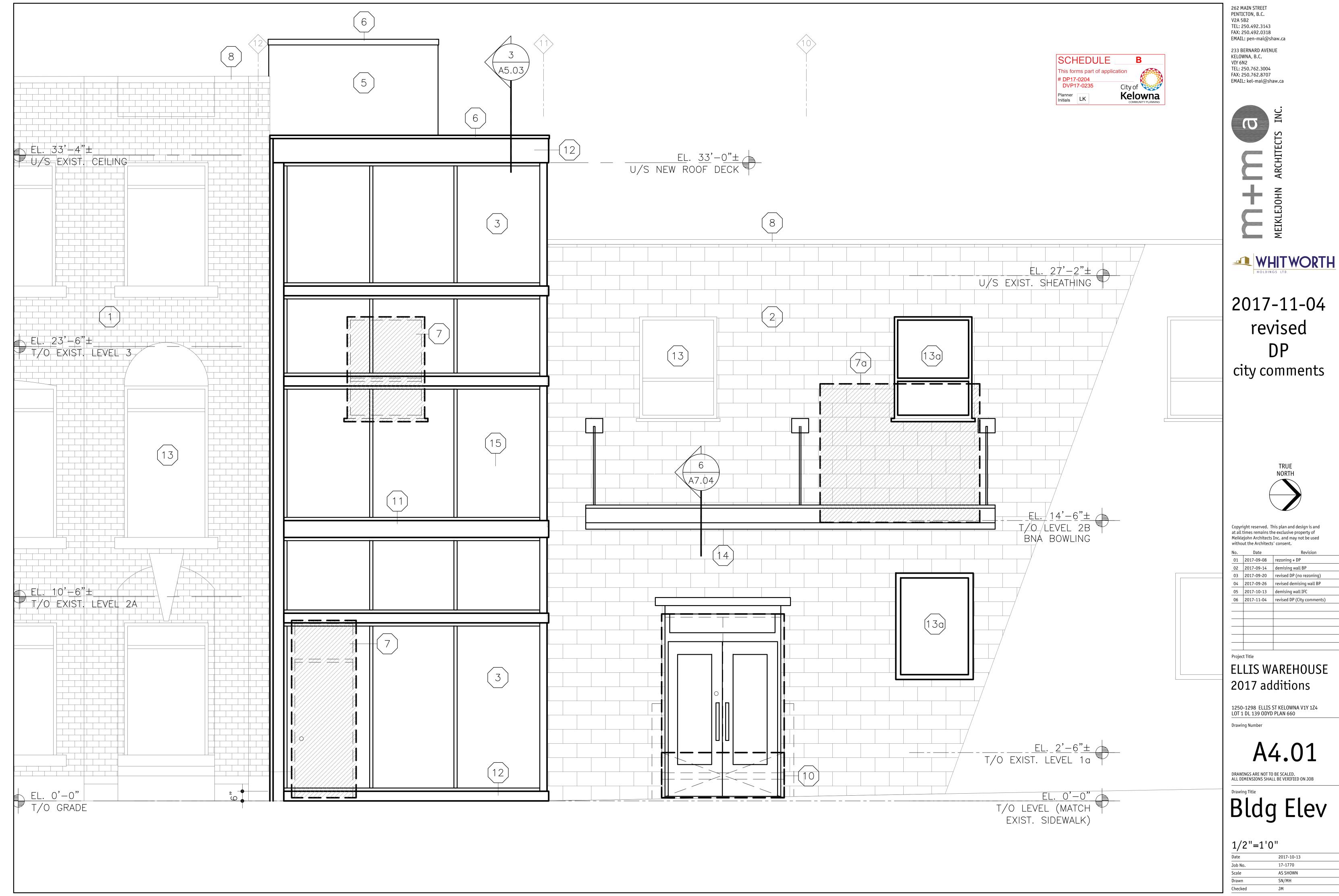
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	05 20	revised demising wall BP
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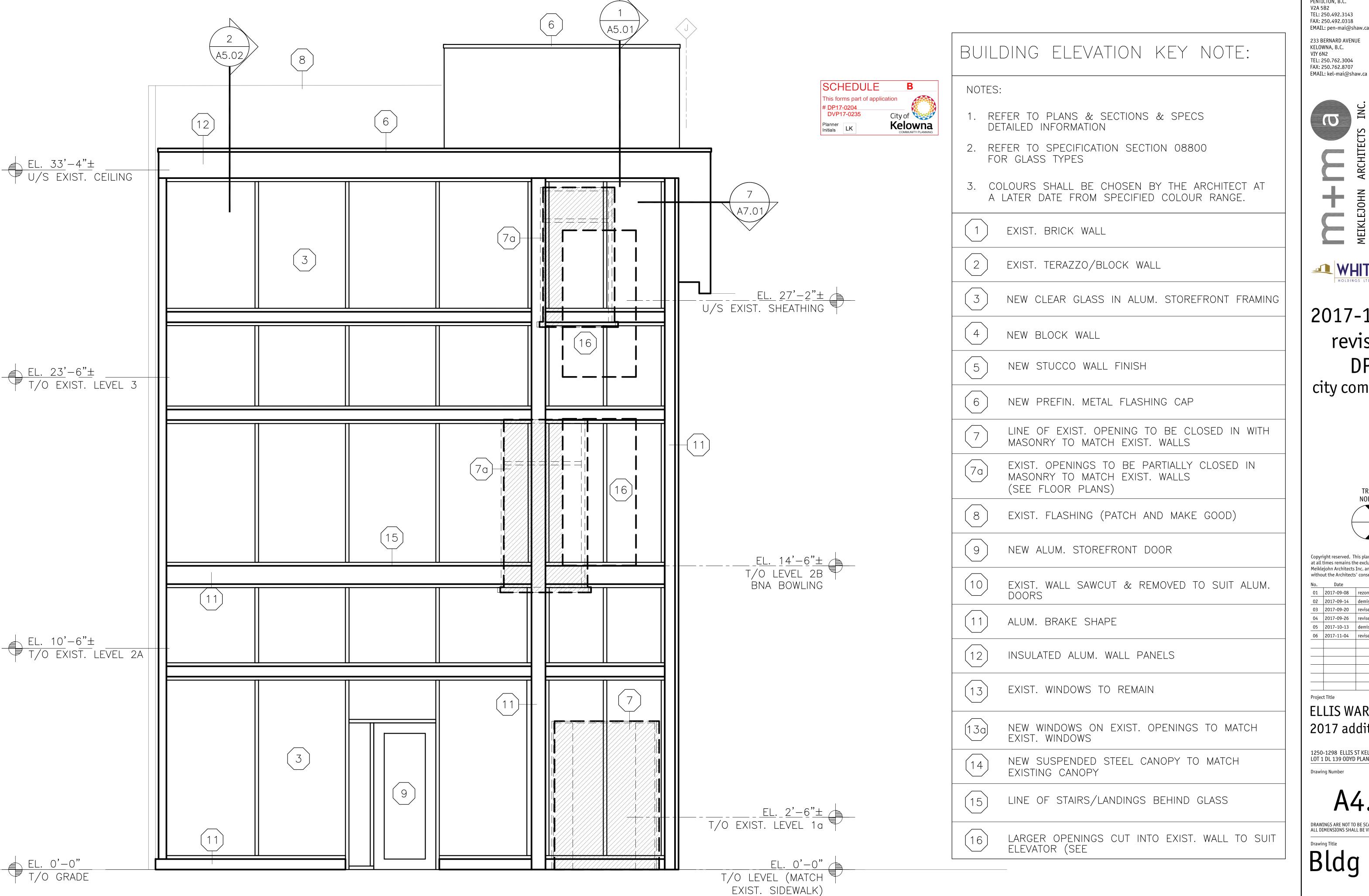
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A3.03-2

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2017-11-04 revised city comments



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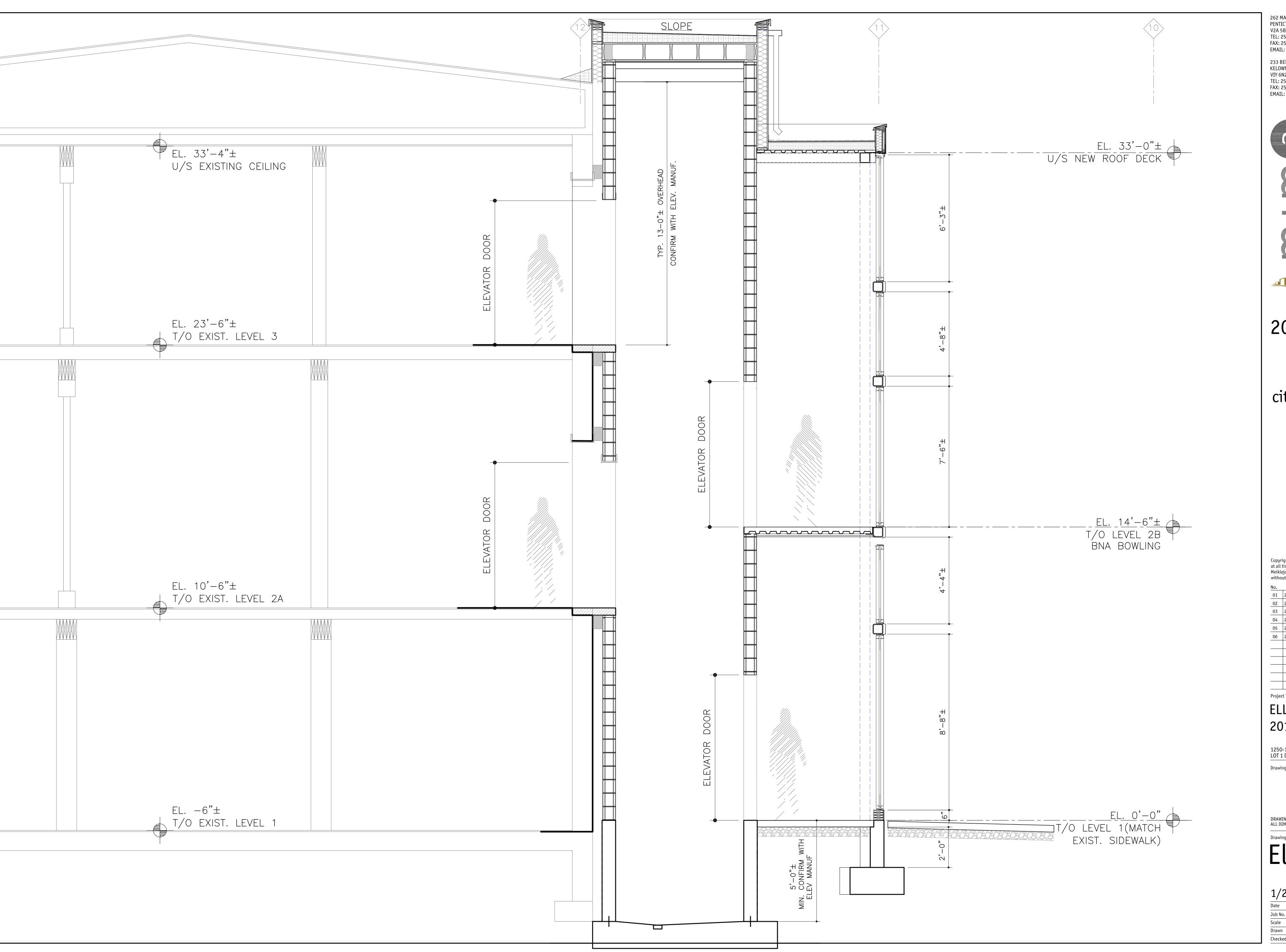
A4.02

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Bldg Elev

1/2"=1'0"

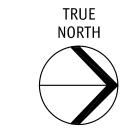
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2017-11-04 revised DP city comments



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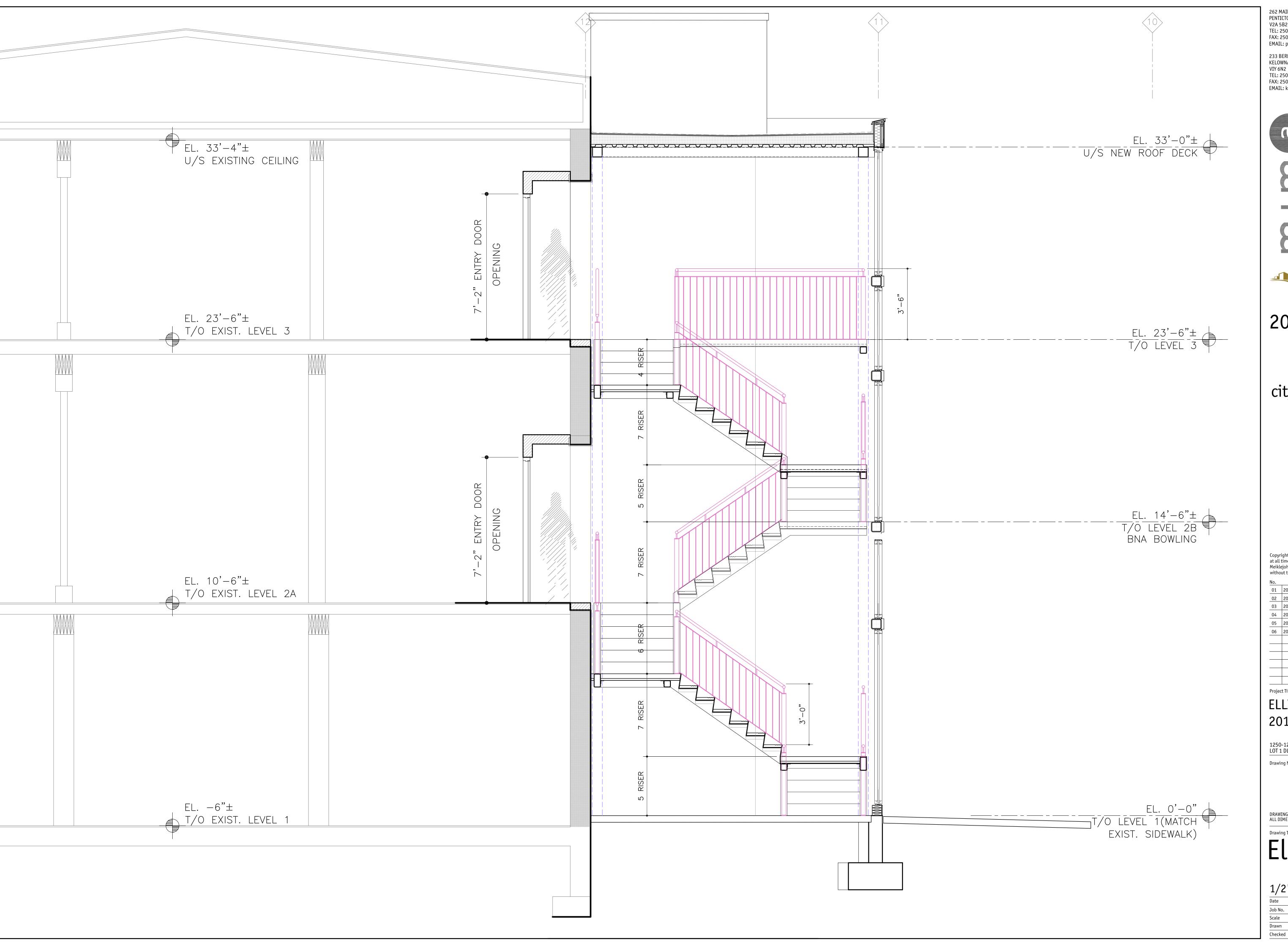
A5.01

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Elev Sect

1/2"=1'0"

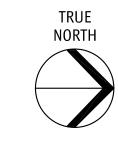
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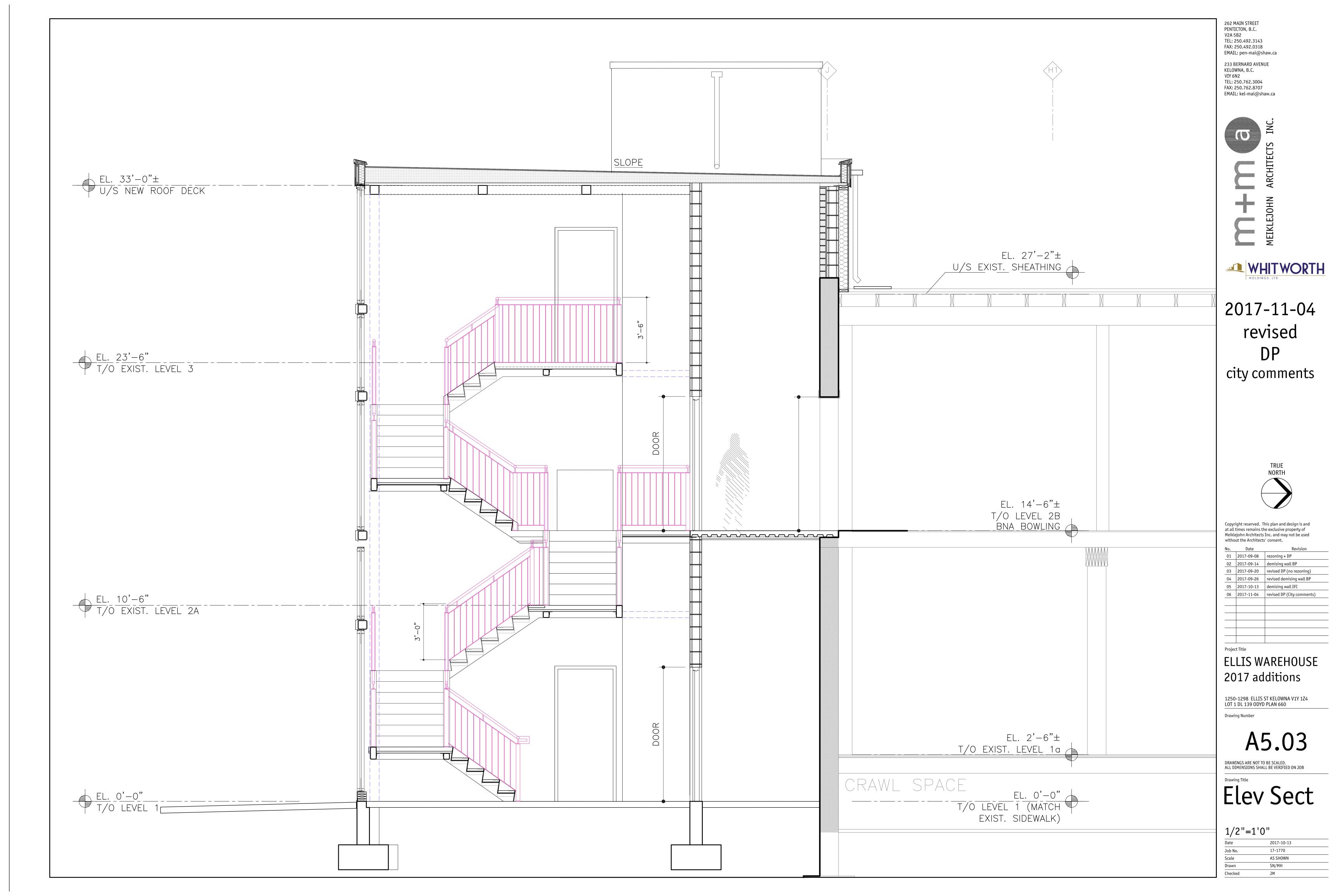
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Elev Sect

1/2"=1'0"

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ate	2017-10-13	
ob No.	17-1770	
cale	AS SHOWN	
rawn	SN/MH	
h a alcad	1М	





cannery loft @ ellis street



single storey cru



cawston corridor view



cru with prospera



ellis warehouse 3-storey & 2-storey



ellis warehouse building



loading & parking & dumpster at rear

site context and neighbourhood







1264 Ellis St.



















connect 3-storey & 2-storey







proposed building signage