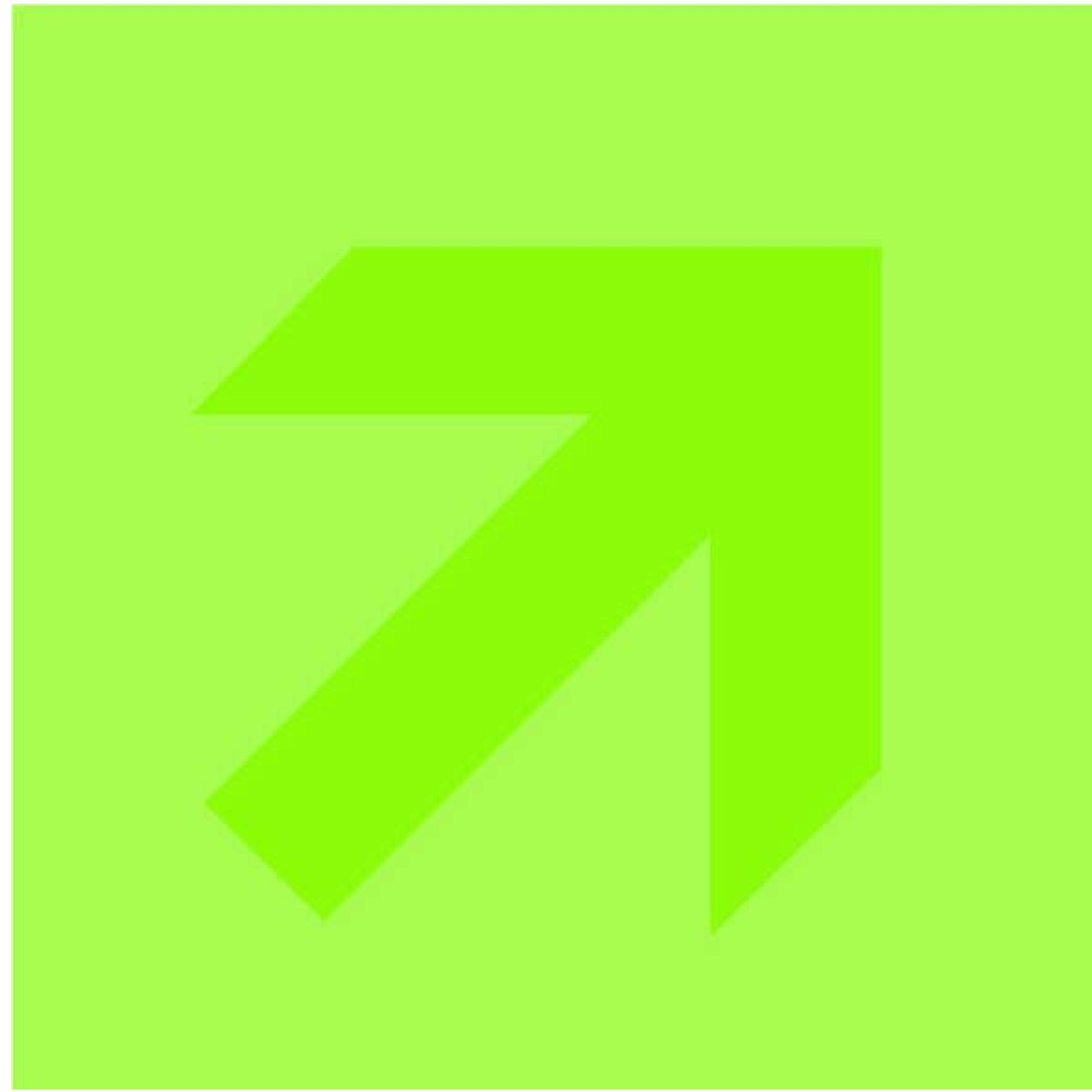


ESSB - EARTH SYSTEMS SCIENCE BUILDING

**UBC PROPERTIES TRUST
UNIVERSITY OF BRITISH COLUMBIA
2207 MAIN MALL
VANCOUVER, BC
CANADA**

DEVELOPMENT PERMIT APPLICATION SET

MAY 14, 2010



**B U S B Y
P E R K I N S
+ W I L L**

RE-ISSUED DP SET	05.14.2010
FOUNDATION BP SET	04.23.2010
50% CD SET	03.26.2010
ISSUED FOR CONSTRUCTION	03.15.2010
RE-ISSUED DP SET	02.19.2010
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15% CD SET	01.29.2010
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Approved	Approver
Title	

INDEX OF DRAWINGS

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	2010-01-29 15% CD SET
	2010-02-02 DP SET REISSUE
	2010-02-19 DP SET REISSUE
	2010-03-26 50% CD
	2010-04-23 BP FOUNDATION
	2010-05-14 DP SET REISSUE
	2010-xx-xx

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A-205 S	ENLARGED PLAN LEVEL 05-S
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A-250 S	ENLARGED RCP LEVEL B1-S
A-251 N	ENLARGED RCP LEVEL 01-N
A-251 S	ENLARGED RCP LEVEL 01-S
A-252 N	ENLARGED RCP LEVEL 02-N
A-252 S	ENLARGED RCP LEVEL 02-S
A-253 N	ENLARGED RCP LEVEL 03-N
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	2010-02-19 DP SET REISSUE
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	2010-04-23 BP FOUNDATION
	2010-05-14 DP SET REISSUE
	2010-xx-xx

Total Site Area 10,0017 m²

Floor Space Gross Floor Area 14,963 m²
permitted Gross Floor Area (at 3. FSR) 26,724 m²

Floor Space Ratio (FSR) Proposed: (14.963 / 10.0017) = 1.5
CCP Target average FSR for this region of campus 2.5 to 3.0

Site Coverage Ground Floor Footprint 2,764 m² (28% of site)
Total Covered Floor Area 3,652.5 m² (36% of site)

Building Height 5 Storeys plus Basement
Sub Basement Floor Level +87.6m
Basement Floor Level +89.4m
Ground Floor Level +93.6m
Main Roof Level +112.2m
Top of Parapet, Main Roof: +112.1m
Penthouse Roof Level +115.4m
Top of Parapet, Penthouse Building Height 18.5 T.O. main bldg parapet
Building Height Limit 22.41m T.O. Penthouse parapet

Setbacks Required: 12.00 from centerline of trees along Main Mall.
Front (East): 36.00 to Main Mall, 12.00 from centre line of Main Mall trees to edge of canopy.

Side Yard (South): N/A (align with Beatty Building)
Side Yard (North): (To Scarfe Building) 29.00
Rear Yard (West): Varies

Parking Automobile 2 loading parking spots provided at loading bay on west side of building.

Bicycle Required: 5% of FTE
Provided: 75
Covered faculty bike racks provided at loading bay. 40 spots total.

Loading Via loading dock from Bio Sciences Road to West of building. Roll up door provided below grade at covered loading dock.
Combined covered loading / receiving / recycling / garbage area approximately 153m²

Dwelling Uses: None
Proposed Variances / Relaxations: None

CIVIL Core Group 320-8988 Frseron Court Burnaby, BC V5J 5H8 T: 604.229.0605 F: 604.299.0629

Landscape Eckford and Associates 1690 West 2nd Avenue Vancouver, BC, V6J 1H3 T: 604.683.1456 F: 604.683.1459

Structural Acumen Engineering 650-2700 Product Way Burnaby, BC V5A 4X1 T: 604.676.9645

MECHANICAL Stantec Consulting 1100-111 Dunsmuir Street Vancouver, BC, V6B 6A3 T: 604.696.8000 F: 604.696.8100

LANDSCAPE Eckford and Associates 1690 West 2nd Avenue Vancouver, BC, V6J 1H3 T: 604.683.1456 F: 604.683.1459

CORE GROUP Core Group 320-8988 Frseron Court Burnaby, BC V5J 5H8 T: 604.229.0605 F: 604.299.0629

LAB PLANNING Maples Argo Architects Suite 101-814 West 15th Street Vancouver, BC, V7P 1M6 T: 604.996.4240 F: 604.986.4201

CONTACT Alan Maples, Brent Argp Contact: Alan Maples, Brent Argp

BUILDING CODE GHL Consultants Ltd 409 Granville Street, Suite 950 Vancouver, BC, V6C 1T2 T: 604.689.4449 F: 604.689.4419

GEOTECHNICAL David Graham, Gary Chen Contact: David Graham, Gary Chen

ACOUSTICS Geo Pacific Suite 215, 1200 West 73rd Vancouver, BC, V6P 6G5 T: 604.439.0922

CONTACT Matt Kokan Contact: Matt Kokan

BUILDING ENVELOPE Aqua-Coast Engineering PO Box 1367 Station A Delta, BC, V4M 3Y8 T: 604.948.0958 F: 604.948.0959

CONTACT Dane Peterson Contact: Dane Peterson

ACOUSTICS Brown Strachan Associates Two Yaletown Square 1290 Homer Street Vancouver, BC, V6B 2Y5 T: 604.689.0514 F: 604.689.2703

CONTACT David Brown Contact: David Brown

**ESSB - EARTH
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BUILDING**

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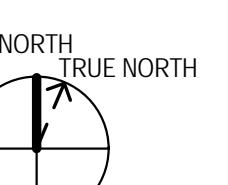
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SITE PLAN

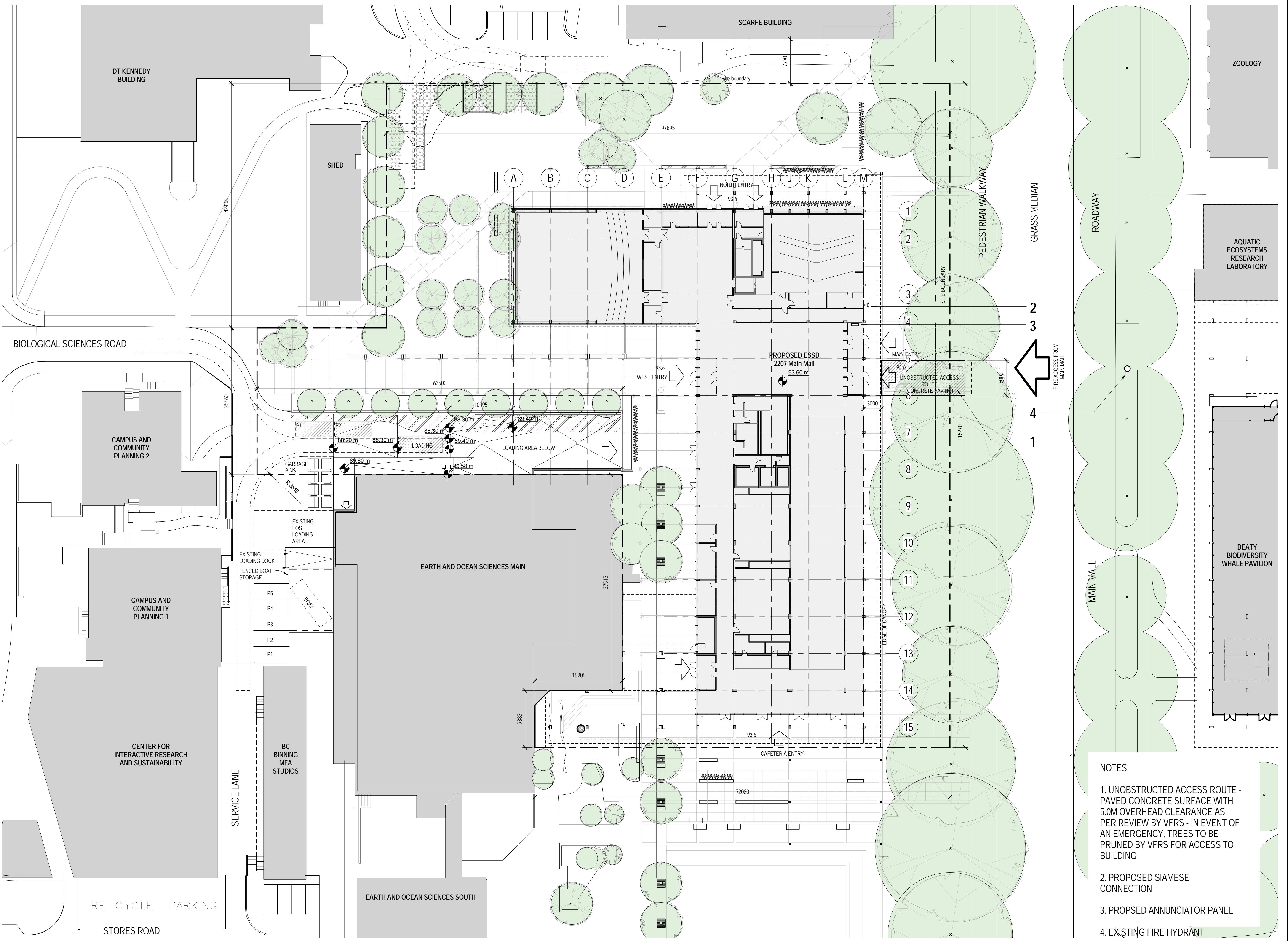


Sheet

A-051

NOTES:

1. UNOBSTRUCTED ACCESS ROUTE - PAVED CONCRETE SURFACE WITH 5.0M OVERHEAD CLEARANCE AS PER REVIEW BY VFRS - IN EVENT OF AN EMERGENCY, TREES TO BE PRUNED BY VFRS FOR ACCESS TO BUILDING
2. PROPOSED SIAMESE CONNECTION
3. PROPOSED ANNUNCIATOR PANEL
4. EXISTING FIRE HYDRANT





2 VIEW FROM FAIRVIEW TO SCARFE

1:1



1 VIEW OF SCARFE COMPLEX

1:1

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EXISTING SITE
CONDITIONS

Sheet

A-053



③ VIEW FROM SCARFE BUILDING
1:1



② VIEW SOUTH ON MAIN MALL
1:1



① EXISTING SITE
1:1

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EXISTING SITE
CONDITIONS

Sheet

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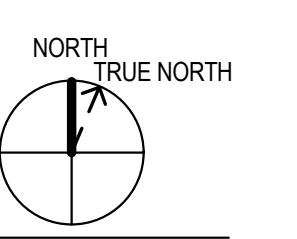
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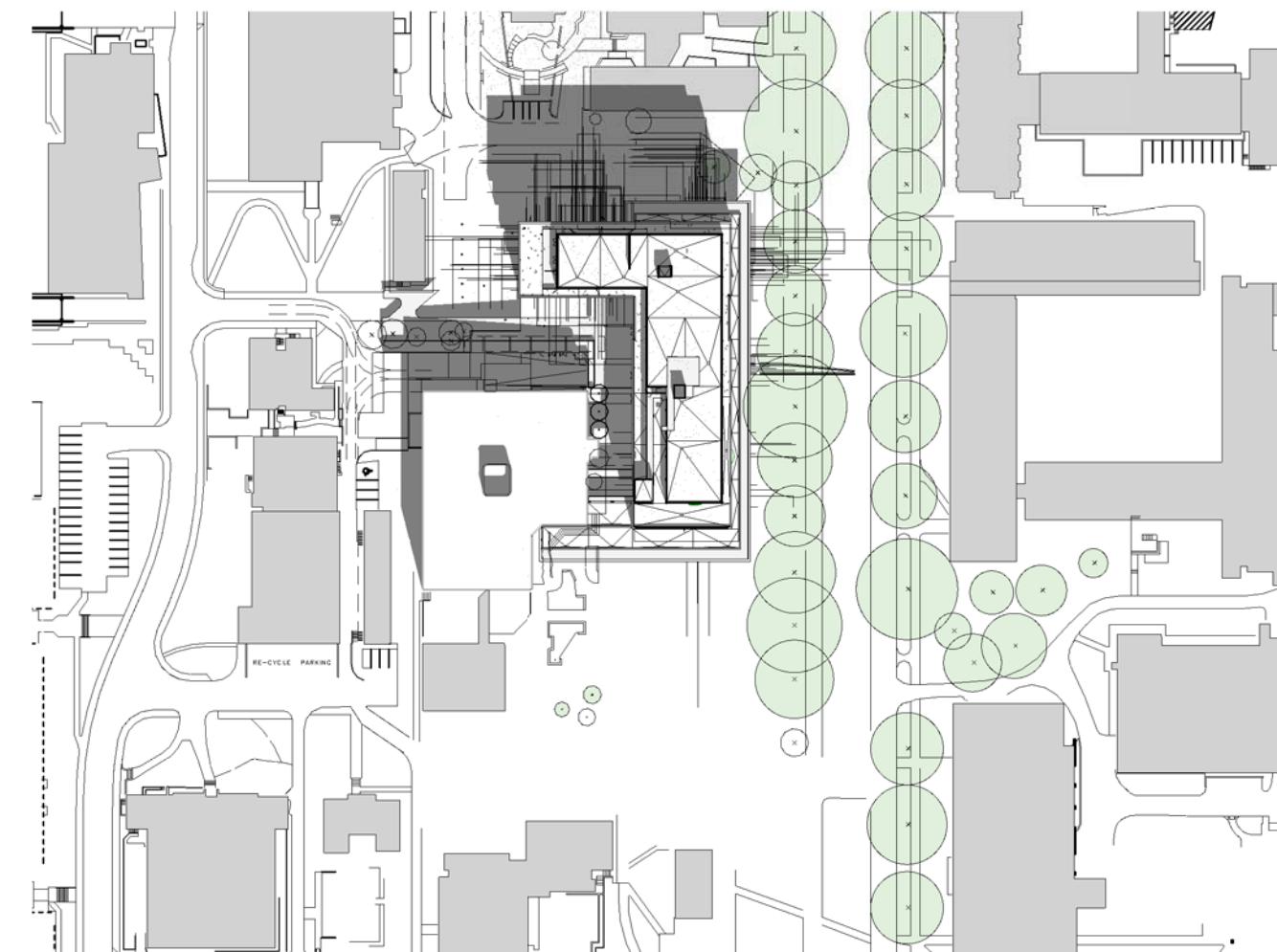
SHADOW STUDY



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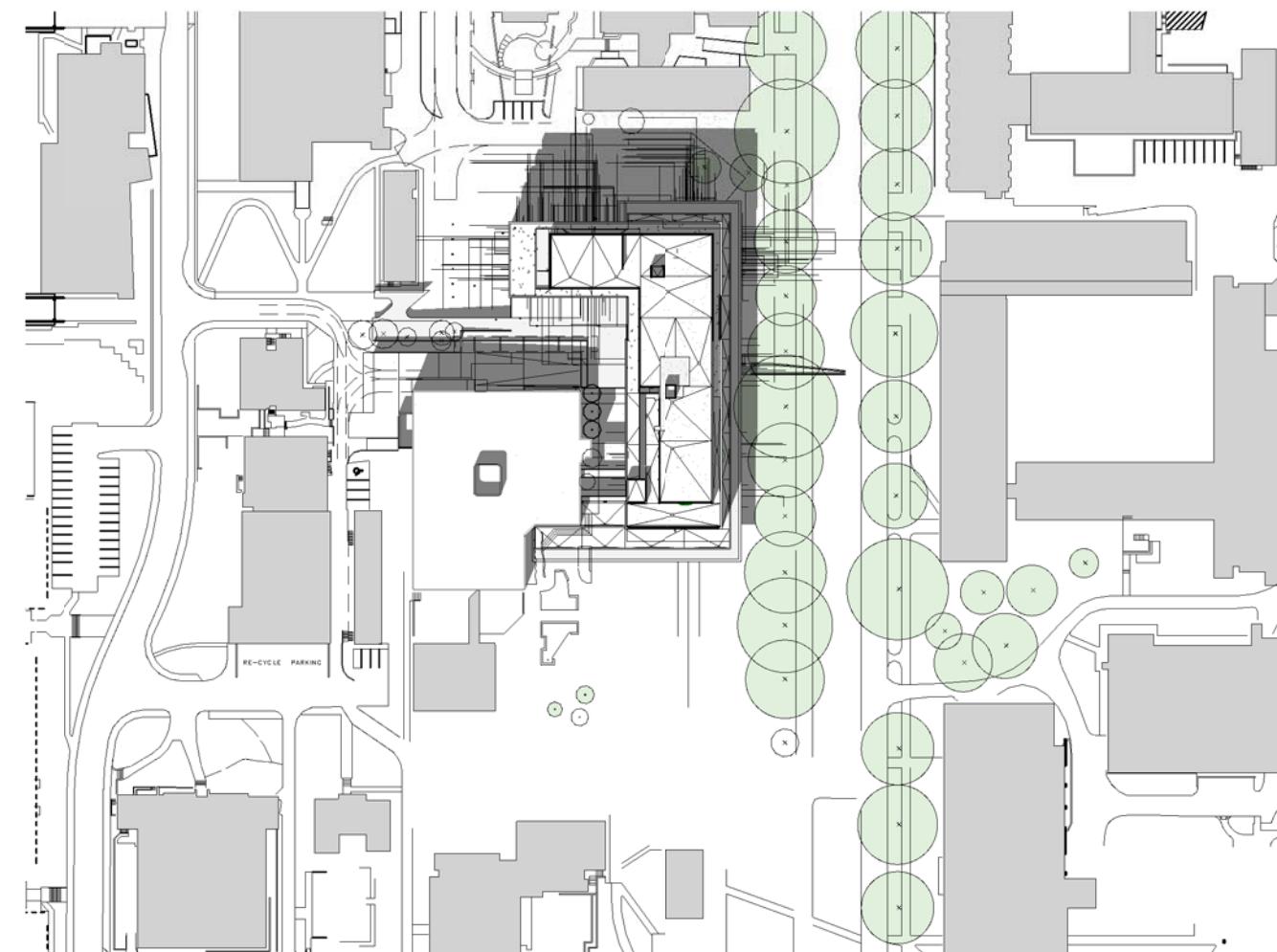
A-055

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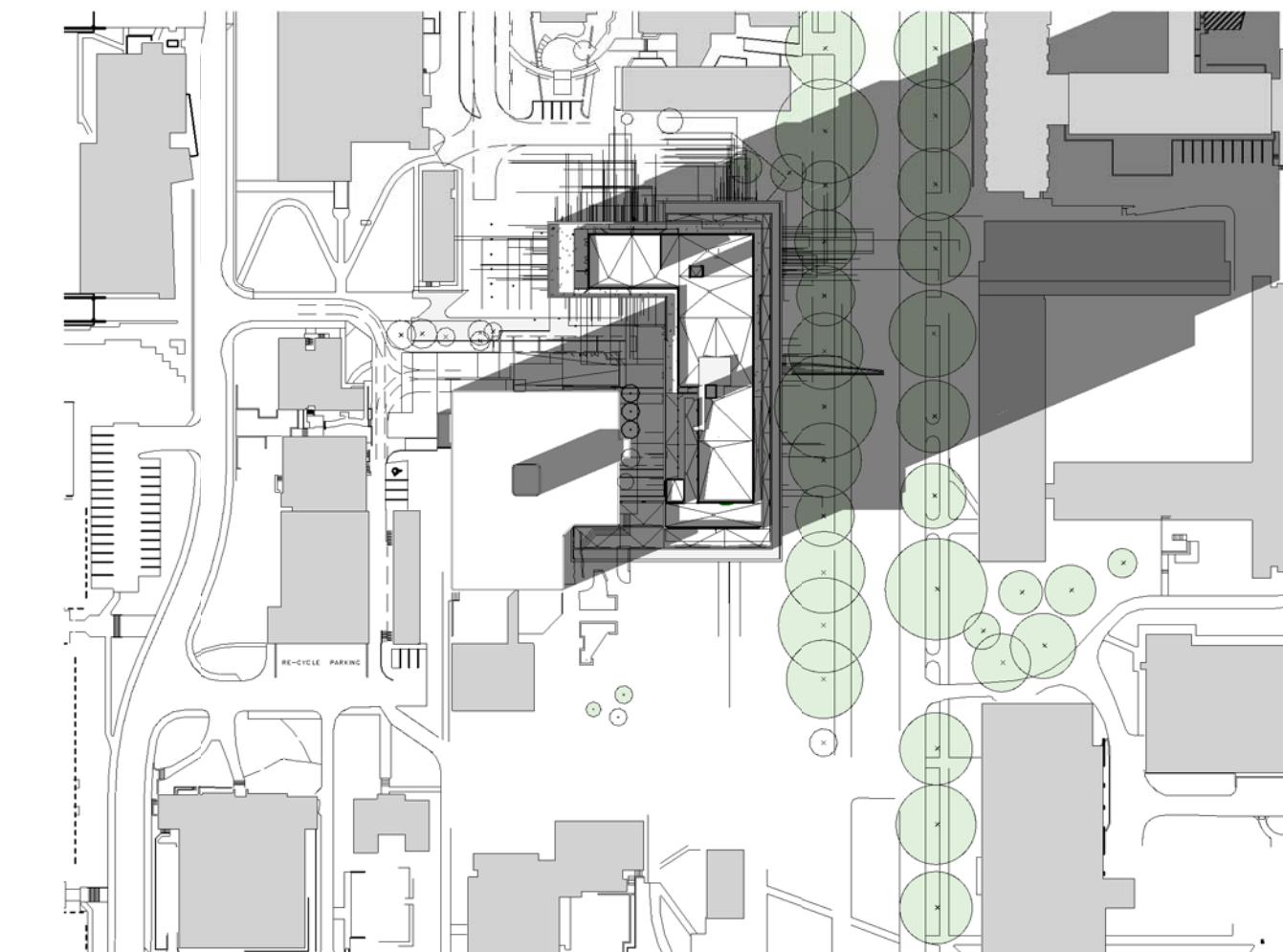
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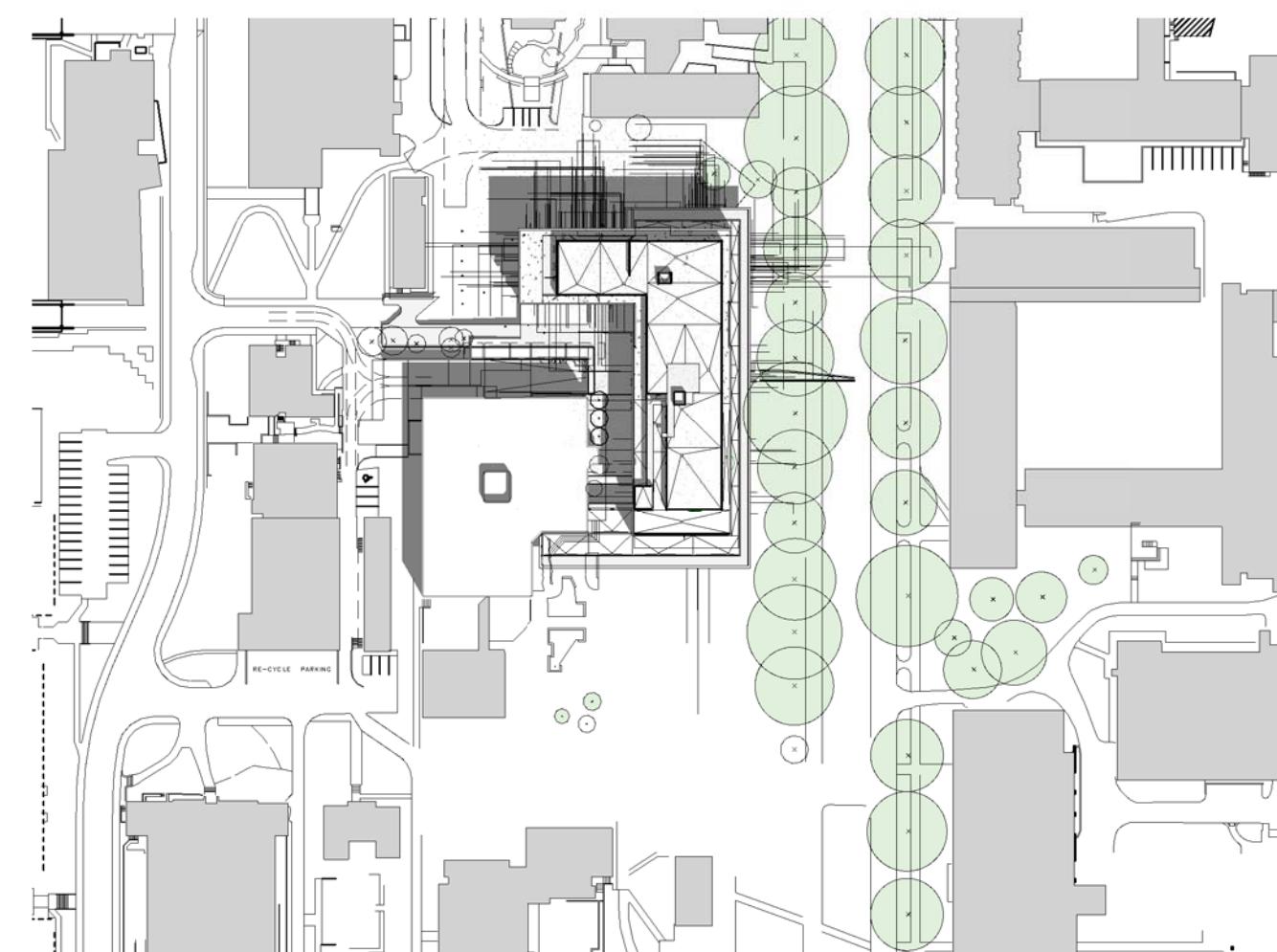
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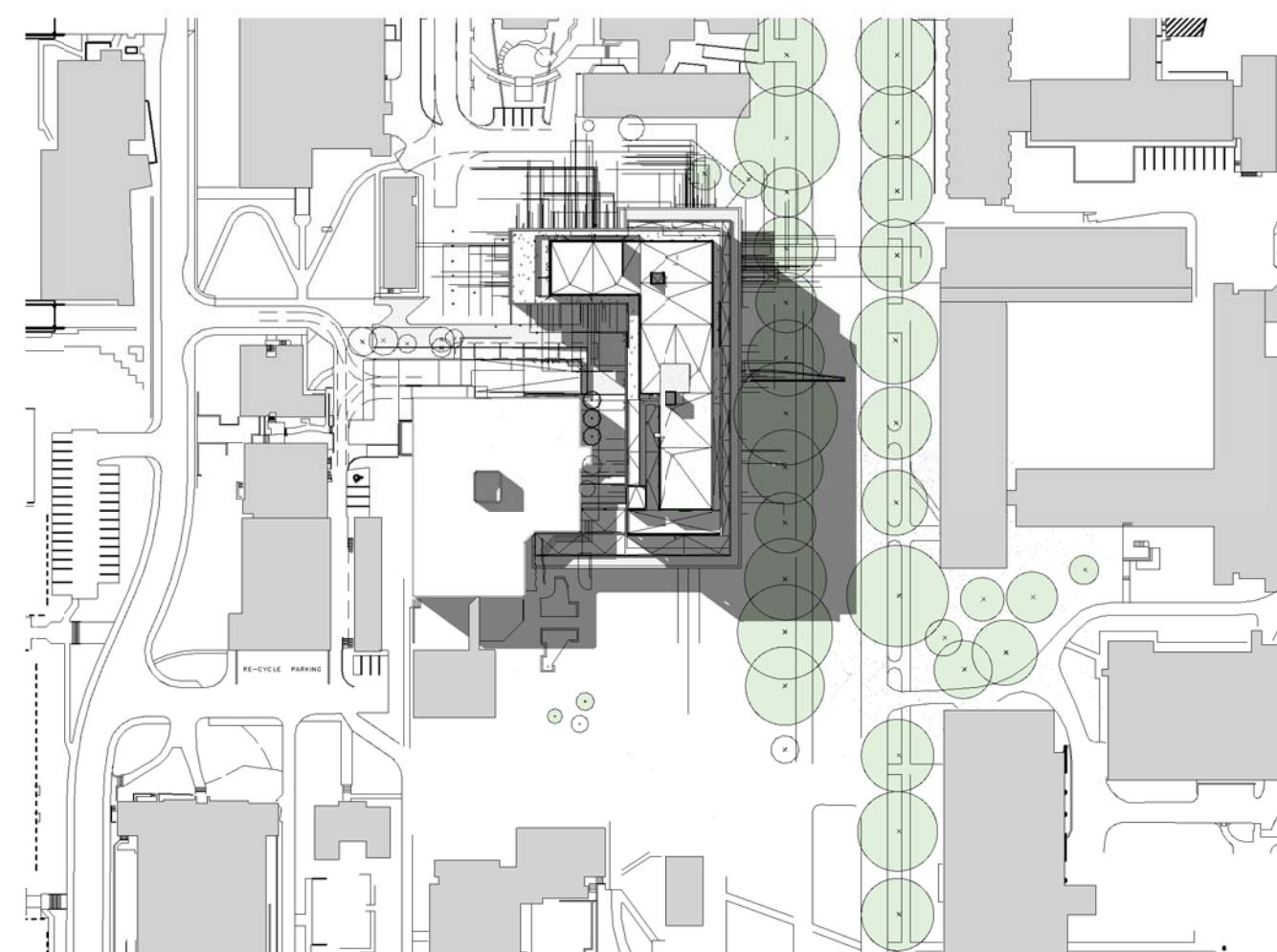
MARCH 21 - 2:00 PM

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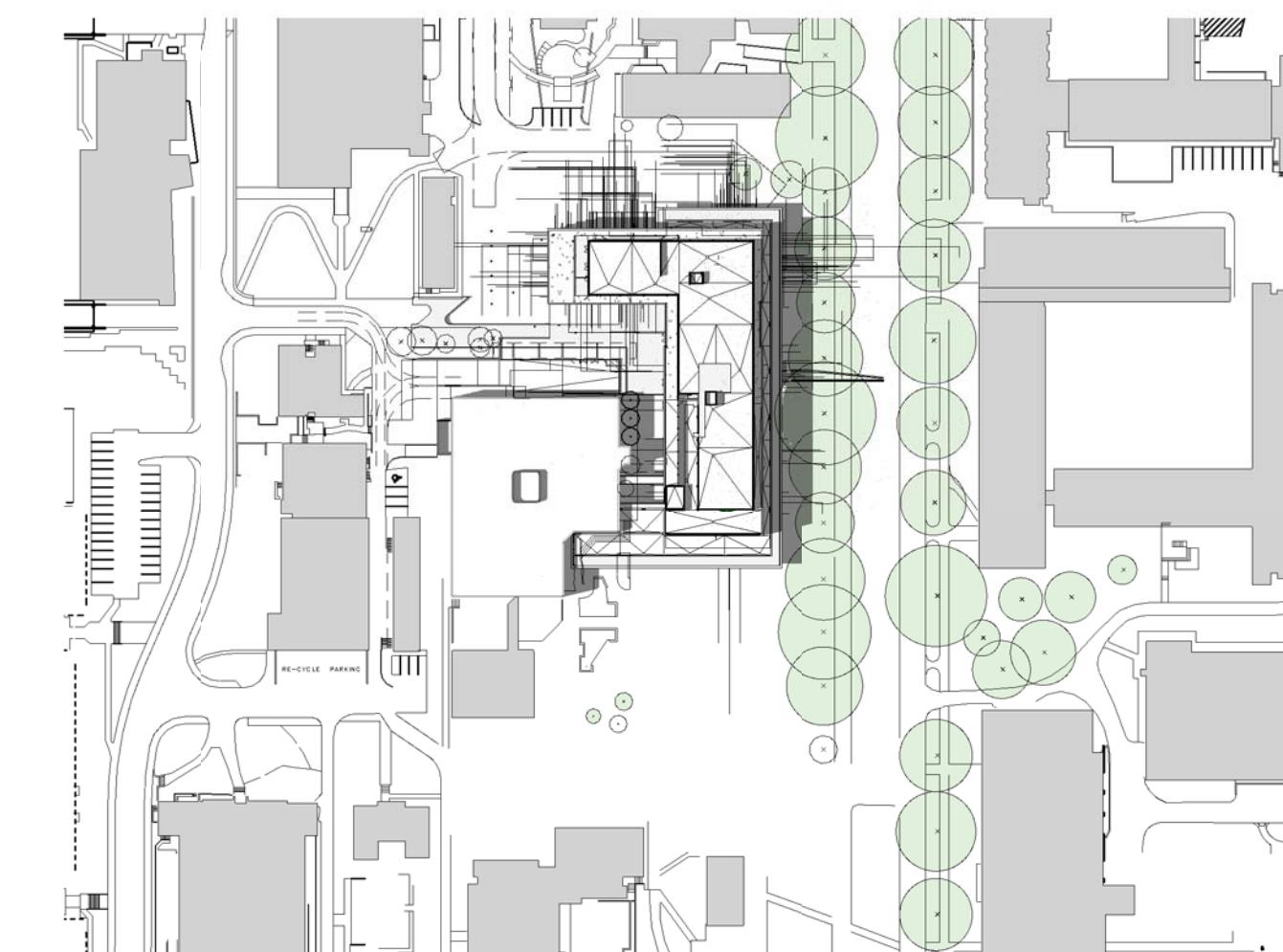
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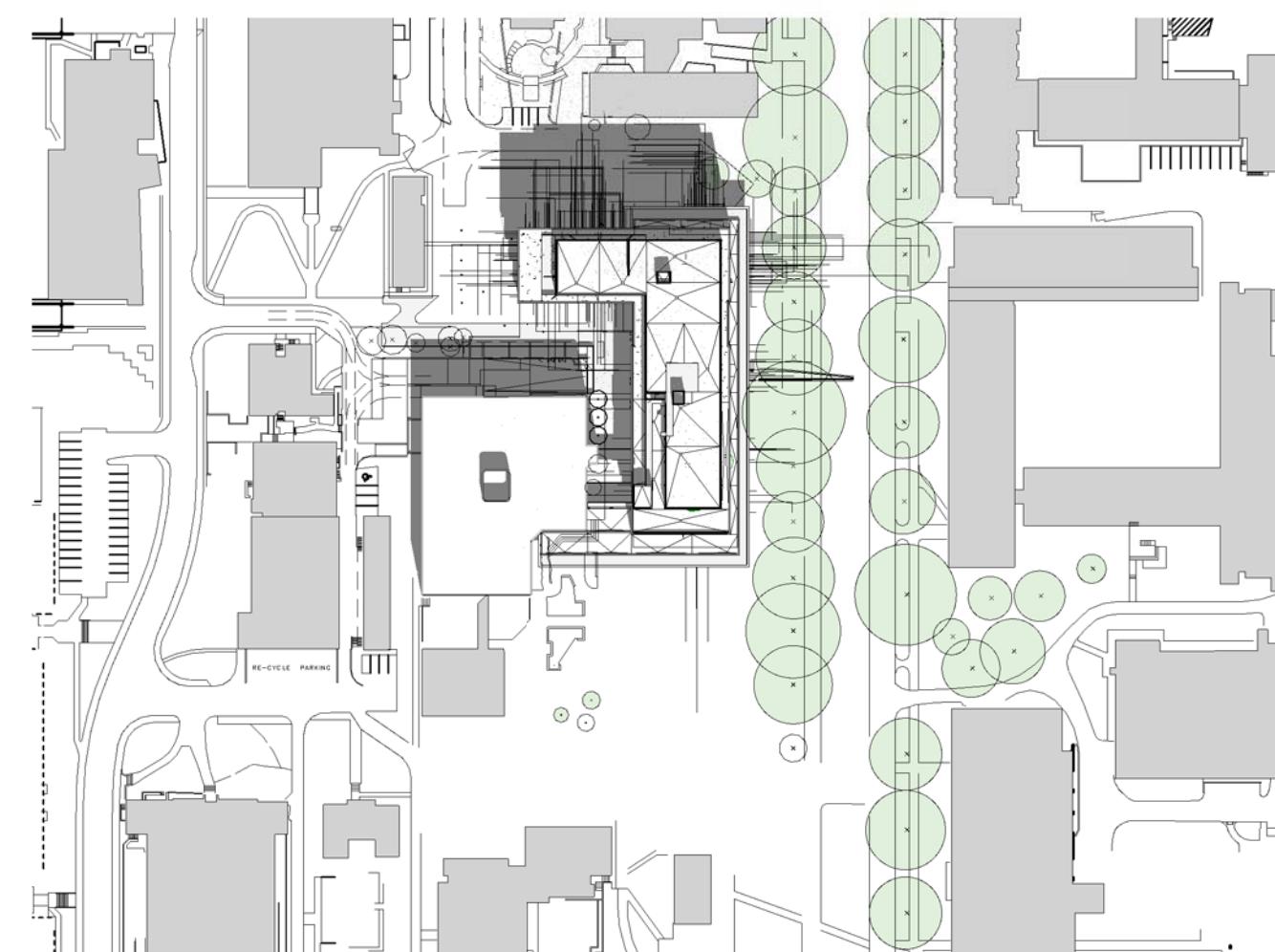
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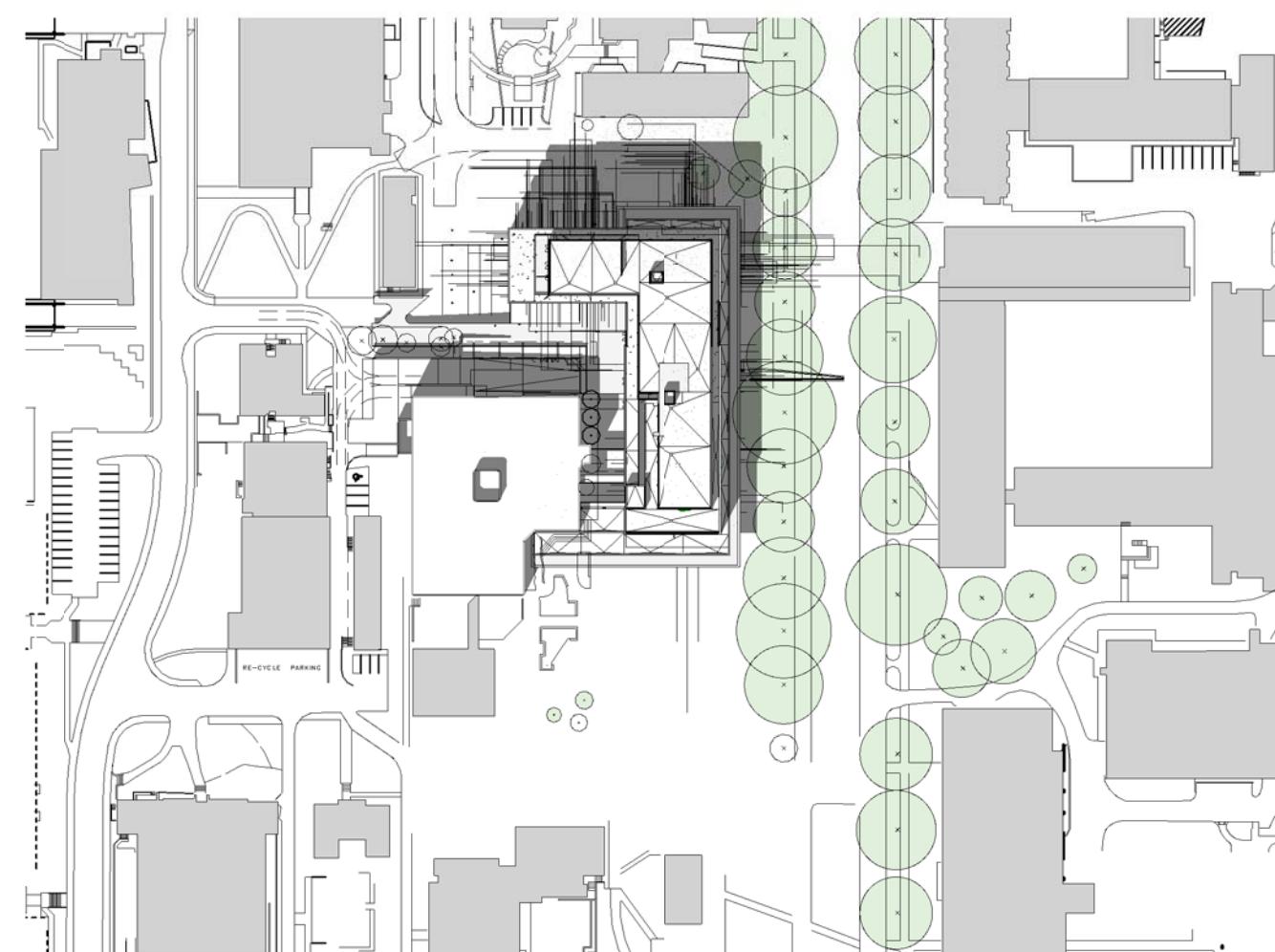
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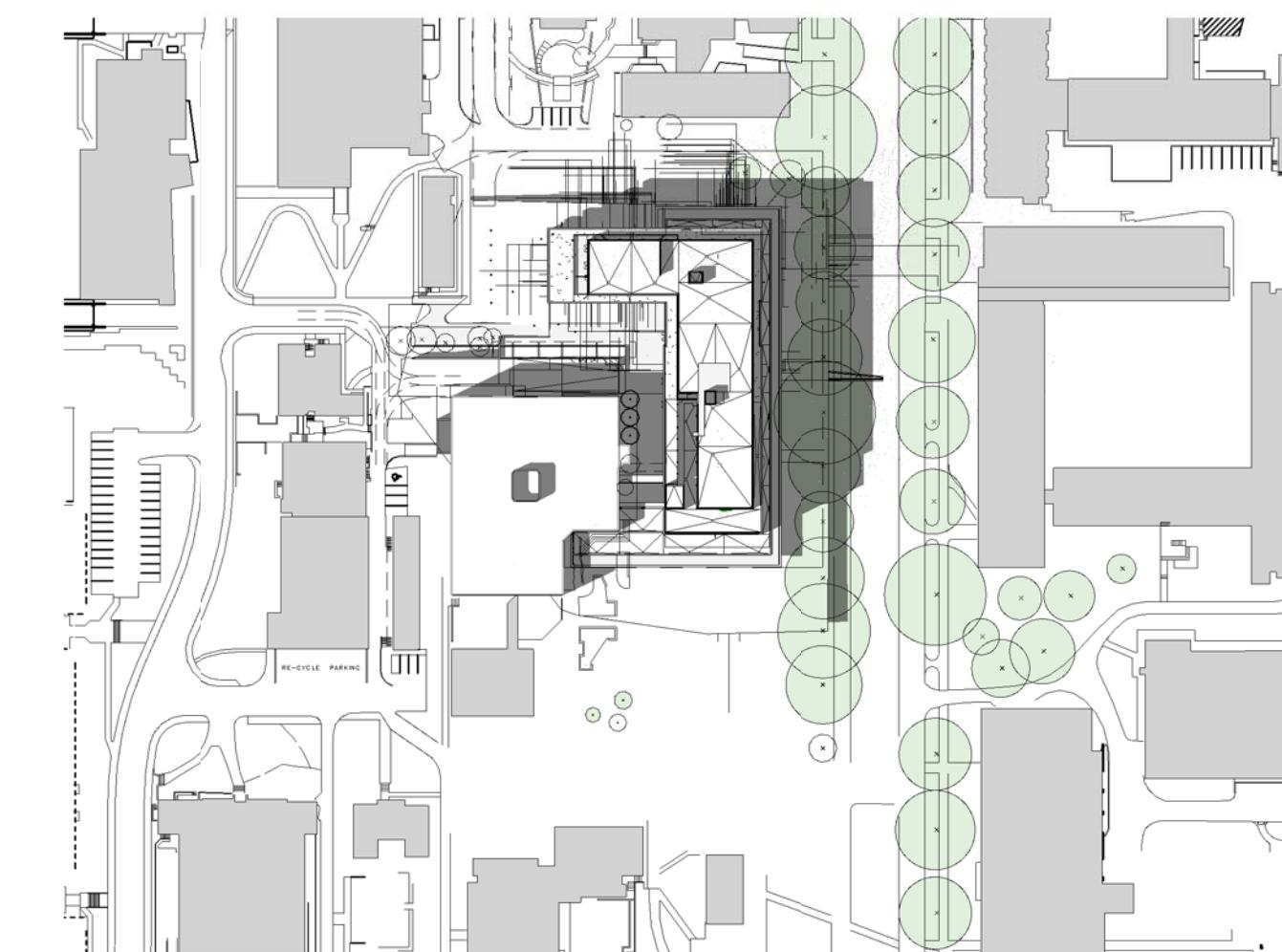
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SEPTEMBER 21 - 12:00 PM

1 : 2000



SEPTEMBER 21 - 2:00 PM

1 : 2000

**ESSB - EARTH
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Level 1 - Room Schedule			
Room Number	Program Number	Room Name	Area
1009	D.113.1/1	Commons	78.5 m ²
1011	A.9.1/1	Office A/V	19.7 m ²
1012	A.4.1/1	150 Seat Lecture Theatre	0.0 m ²
1012A	A.5.1/1	Projection	15.7 m ²
1012B	A.3.1/1	Storage	15.4 m ²
1013	A.6.1/1	350 Seat Lecture Theatre	416.8 m ²
1013A	A.7.1/1	Projection	25.1 m ²
1041	B.3.1/1	Printer Area	10.7 m ²
1042	B.1.1/1	Statistics Computer Lab (30)	107.3 m ²
1043	D.54.2/2	Stat's Help Desk Tutorial	22.0 m ²
1045	B.4.1/1	Comp. Lab/ECAC	21.7 m ²
1046	B.2.1/1	Statistics Computer Lab (42)	107.4 m ²
1051	D.117.1/1	Cafe	20.7 m ²
1051B	D.118.1/1	Cafe-Prep	8.6 m ²
1090	E.1.1/1	PME	85.1 m ²

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APPLICATION SET**

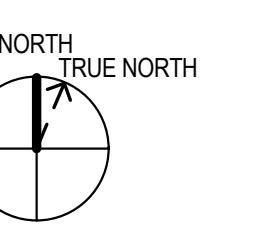
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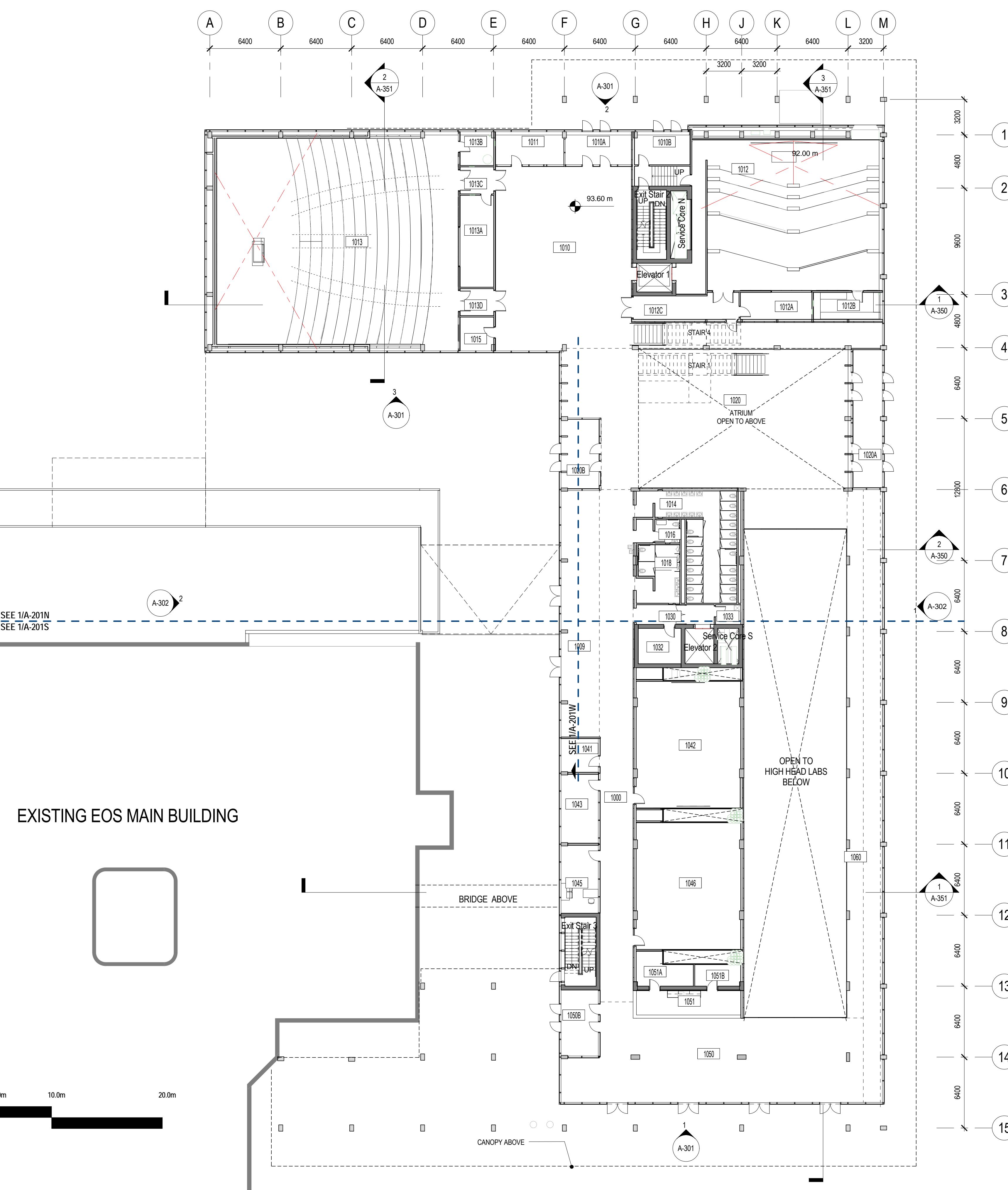
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**FLOOR PLAN - LEVEL
1**



A-101



**DEVELOPMENT
PERMIT
APPLICATION SET**

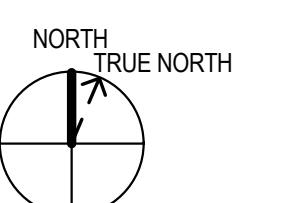
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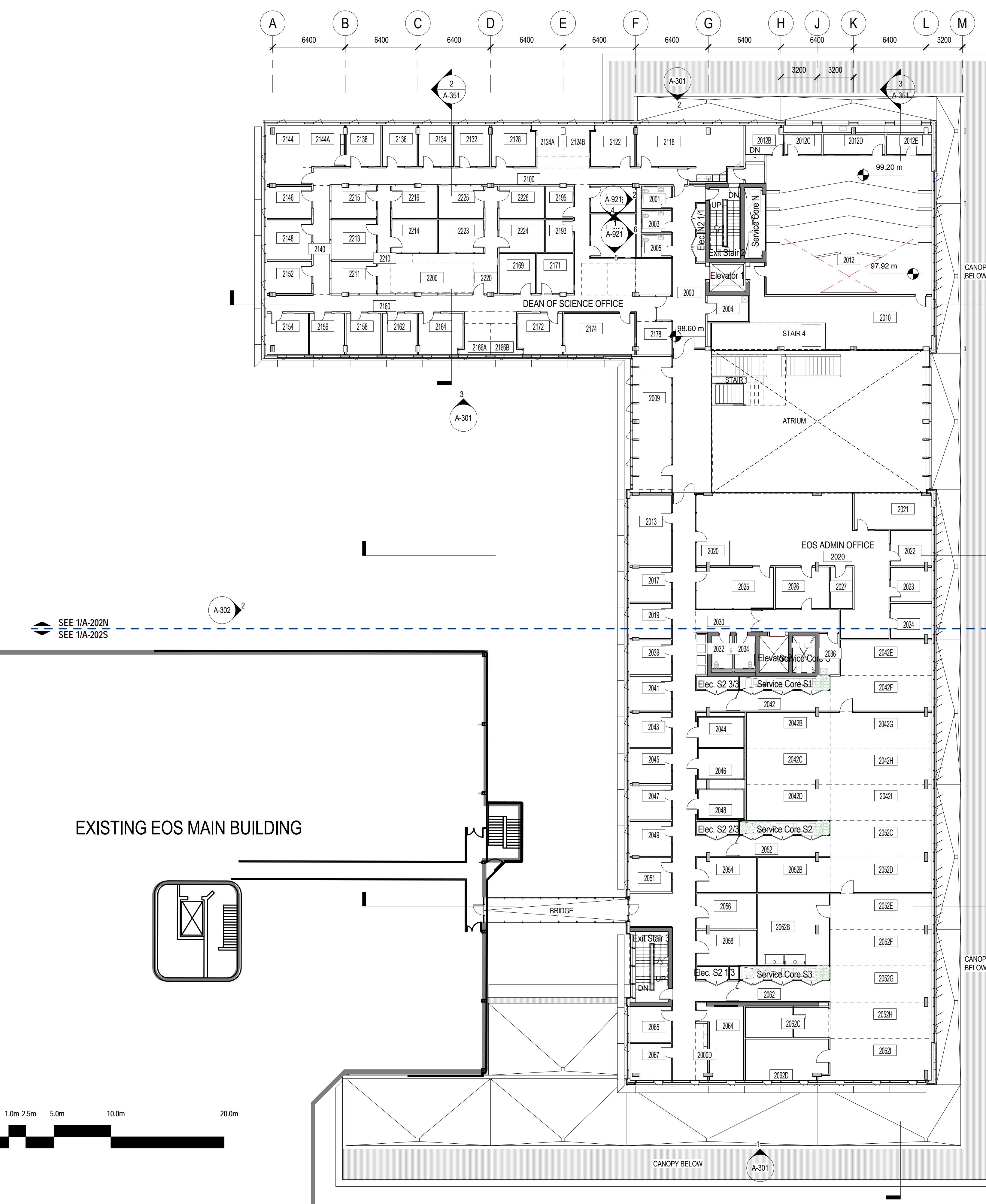
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Title		

**FLOOR PLAN - LEVEL
2**



A-102



Level 2 - Room Schedule			
Room Number	Program Number	Room Name	Area
2000D	D.22.1/2	Supplies Satellite	5.1 m ²
2009	D.2.4/4	Shared Lounge	42.7 m ²
2012	A.1.1/1	70 Seat Lecture Theatre	176.8 m ²
2012C	A.8.1/1	Storage	9.4 m ²
2012D	A.2.1/1	Projection	14.5 m ²
2013	D.29.1/6	PhD Wrkstn (4)	22.8 m ²
2017	D.26.3/15	EOS Shared (2)	11.2 m ²
2019	D.86.5/10	Staff (S)	11.2 m ²
2020			117.3 m ²
2021	D.5.1/1 combined with D.8	Department Head	21.5 m ²
2022	D.9.1/3	Admin Staff (GPO)	11.1 m ²
2022K	D.7.1/1	Waiting	2.2 m ²
2023	D.9.2/3	Admin Staff (GPO)	10.9 m ²
2024	D.9.3/3	Admin Staff (GPO)	11.1 m ²
2025	D.18.1/1	EOS Meeting Room (12)	24.2 m ²
2027	D.15.1/1	Mail Room	7.2 m ²
2039	D.86.6/10	Staff	11.2 m ²
2041	D.86.7/10	Staff (S)	11.2 m ²
2042B	C.34.1/4	Plankton Lab	23.1 m ²
2042C	C.34.2/4	Plankton Lab	23.5 m ²
2042D	C.37.1/4	Plankton Lab	23.2 m ²
2042E	C.32.1/12	Biosafety Lab	24.6 m ²
2042F	C.32.2/12	Seawater Lab	27.5 m ²
2042G	C.32.3/12	Lab Module	27.5 m ²
2042H	C.32.4/12	Lab Module	28.0 m ²
2042I	C.32.5/12	Lab Module	28.0 m ²
2043	D.86.8/10	Staff (S)	11.2 m ²
2044	C.41.1/3	Controlled Env.	10.7 m ²
2045	D.86.9/10	Staff (S)	11.2 m ²
2047	D.86.10/10	Staff (S)	11.2 m ²
2049	D.24.7/15	EOS Faculty	11.2 m ²
2051	C.24.8/15	EOS Faculty	11.0 m ²
2052B	C.39.1/2	Plankton Lab	19.5 m ²
2052C	C.32.6/12	Lab Module	28.1 m ²
2052D	C.32.7/12	Lab Module	27.5 m ²
2052E	C.32.8/12	Lab Module	27.5 m ²
2052F	C.32.9/12	Lab Module	28.1 m ²
2052G	C.32.10/12	Lab Module	28.1 m ²
2052H	C.32.11/12	Lab Module	28.2 m ²
2052I	C.32.12/12	Lab Module	32.8 m ²
2054	C.43.1/1	Microscopy	16.1 m ²
2056	C.36.1/1	Sterilizer Room	16.1 m ²
2058	C.42.1/1	Equipment	16.1 m ²
2062B	C.28.1/1	Radioisotope Lab	39.3 m ²
2062C	C.34.4/4	Transfer Lab	19.6 m ²
2062D	C.37.2/4	Mass Spectrometry	25.9 m ²
2064	D.19.1/3	Research Meeting Room (12)	21.4 m ²
2065	D.24.9/15	EOS Faculty	11.5 m ²
2067	D.24.10/15	EOS Faculty	11.7 m ²
2118	D.94.1/1	Staffroom	39.0 m ²
2122	D.85.1/5	Associate Dean	14.1 m ²
2124A	D.100.3/5	Wrkstn Staff	6.6 m ²
2124B	D.100.4/5	Wrkstn Staff	6.6 m ²
2128	D.85.3/5	Associate Dean	14.1 m ²
2132	D.86.3/10	Staff (S)	11.3 m ²
2134	D.86.2/10	Staff (S)	11.3 m ²
2136	D.87.3/10	Staff (S)	11.3 m ²
2138	D.87.4/10	Staff (S)	11.2 m ²
2144	D.83.1/1	Dean's Office	17.9 m ²
2144A	D.84.1/1	Dean's Meeting (6)	13.5 m ²
2146	D.86.1/10	Staff (S)	11.2 m ²
2148	D.85.2/5	Associate Dean	14.0 m ²

Level 2 - Room Schedule			
Room Number	Program Number	Room Name	Area
2152	D.86.4/10	Staff (S)	11.2 m ²
2154	D.98.1/2	Dean's Related (L)	13.4 m ²
2156	D.99.1/12	Dean's Related (S)	11.3 m ²
2158	D.99.5/12	Dean's Related (S)	11.3 m ²
2162	D.99.3/12	Dean's Related (S)	11.3 m ²
2164	D.85.4/5	Associate Dean	14.1 m ²
2166	D.101.1/1	Open Area	4.8 m ²
2168A	D.87.7/10	Staff	6.6 m ²
2168B	D.87.1/10	Staff	6.6 m ²
2169	D.99.12/12	Dean's Related (S)	11.3 m ²
2171	D.107.1/1	COOP	11.3 m ²
2172	D.85.5/5	Associate Dean	14.1 m ²
2174	D.93.1/1	Meeting (14)	22.7 m ²
2178	D.89.1/1	Waiting (6)	9.2 m ²
2192	D.88.1/1	Reception	10.2 m ²
2192B	D.87.6/10	Staff	6.9 m ²
2192C	D.87.2/10	Wrkstn Staff	6.5 m ²
2193	D.90.1/1	Files Active	6.8 m ²
2194	D.97.1/1	Mail/Copy/Workroom	15.0 m ²
2195	D.103.1/1	Files Archive	6.9 m ²
2196	D.96.1/1	Supplies	9.2 m ²
2200	D.100.5/5	Wrkstn Staff	19.5 m ²
2211	D.99.2/12	Dean's Related (S)	11.8 m ²
2213	D.98.2/2	Dean's Related (L)	14.3 m ²
2214	D.99.4/12	Dean's Related (S)	11.6 m ²
2215	D.99.6/12	Dean's Related (S)	11.8 m ²
2216	D.99.11/12	Dean's Related (S)	11.6 m ²
2220	D.91.1/1	Dean's Related	18.8 m ²
2223	D.99.9/12	Dean's Related (S)	11.6 m ²
2224	D.99.7/12	Dean's Related (S)	11.2 m ²
2225	D.99.8/12	Dean's Related (S)	11.6 m ²
2226	D.99.10/12	Dean's Related (S)	11.3 m ²

**ESSB - EARTH
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**DEVELOPMENT
PERMIT
APPLICATION SET**

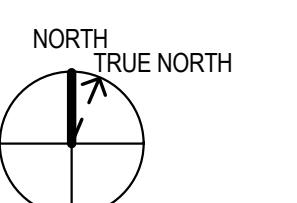
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FOUNDATION BP SET	04.23.2010
50% CD SET	03.26.2010
ISSUED FOR CONSTRUCTION	03.15.2010
RE-ISSUED DP SET	02.19.2010
ISSUED FOR TENDER	02.02.2010
RE-ISSUED DP SET	02.02.2010
15% CD SET	01.29.2010
Drawing Issue	Date

Revisions

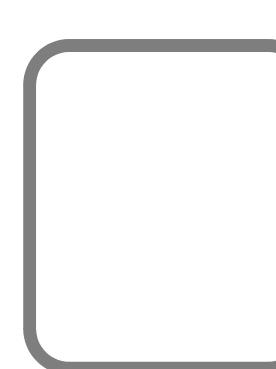
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Approved	Approver	
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**FLOOR PLAN - LEVEL
3**



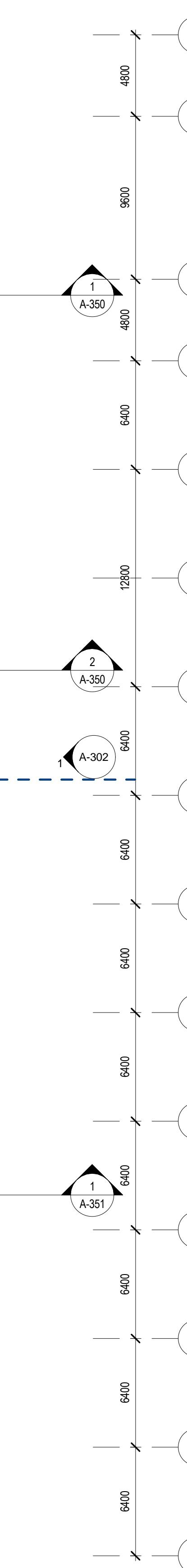
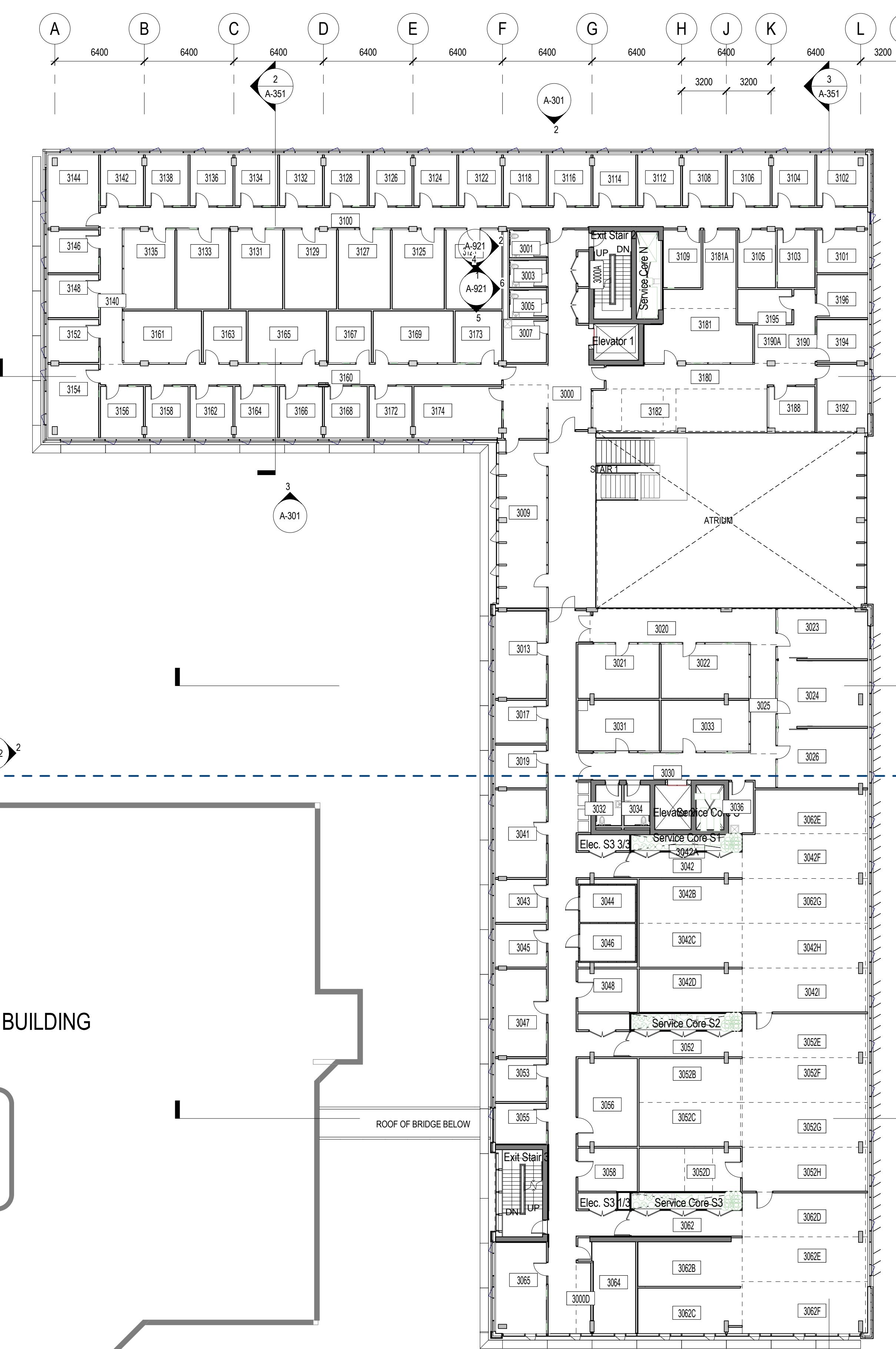
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EXISTING EOS MAIN BUILDING



ROOF OF BRIDGE BELOW

0 1.0m 2.5m 5.0m 10.0m 20.0m



Level 3 - Room Schedule

Room Number	Program Number	Room Name	Area
3000D	D.22.2/3	Supplies Satellite	5.3 m ²
3009	D.2.2/4	Shared Lounge	42.9 m ²
3013	D.29.2/6	PhD Wrkstn (4)	22.8 m ²
3017	D.24.1/15	EOS Faculty	11.2 m ²
3019	D.24.2/15	EOS Faculty	11.2 m ²
3021	D.28.1/12	Master Wrkstn (6)	22.7 m ²
3022	D.28.3/12	Master Wrkstn (6)	24.8 m ²
3023	D.29.6/6	PhD Wrkstn (4)	23.3 m ²
3026	D.29.5/6	PhD Wrkstn (4)	27.6 m ²
3031	D.28.2/12	Master Wrkstn (6)	21.3 m ²
3033	D.28.4/12	Master Wrkstn (6)	23.2 m ²
3041	D.29.3/6	PhD Wrkstn (4)	22.9 m ²
3042B	C.24.1/6	Organic Chemistry Lab	23.0 m ²
3042C	C.24.2/6	Equip.	23.0 m ²
3042D	C.25.1/6	Equipment Rm.	22.7 m ²
3042F	C.17.1/3	Lab Module	28.0 m ²
3042H	C.17.1/3	Lab Module	28.0 m ²
3042I	C.17.2/3	Lab Module	27.5 m ²
3043	D.24.3/15	EOS Faculty	11.2 m ²
3044	C.40.1/3	Controlled Env.	10.6 m ²
3045	D.24.4/15	EOS Faculty	11.2 m ²
3046	C.40.2/3	Controlled Env.	10.7 m ²
3047	D.29.4/6	PhD Wrkstn (4)	22.9 m ²
3048	C.25.2/6	Equip./Storage	13.0 m ²
3052B	C.30.1/1	Marine Geochemistry	22.7 m ²
3052C	C.24.3/6	Marine Geochemistry	22.7 m ²
3052D			22.4 m ²
3052E	C.17.3/3	Lab Module	27.5 m ²
3052F	C.18.1/3	Lab Module	28.1 m ²
3052G	C.18.2/3	Lab Module	28.1 m ²
3052H	C.18.3/3	Lab Module	27.5 m ²
3053	D.25.1/2	PSI Director	11.2 m ²
3055	D.25.2/2	PSI Advisor	10.7 m ²
3056	C.26.2/6	X-Ray Fluorescence	26.5 m ²
3058	C.26.3/6	Grinding Room and Sample Lab	13.0 m ²
3062B	C.25.6/6	Trace Metal Laboratory	22.9 m ²
3062D	C.22.1/3	Lab Module	27.5 m ²
3062E	C.22.2/3	Lab Module	28.1 m ²
3062F	C.22.3/3	Lab Module	33.4 m ²
3064	D.19.2/3	Research Meeting Room (12)	21.9 m ²
3065	D.28.5/12	Master Wrkstn (6)	24.1 m ²
3101	C.13.2/2	SCARL Consult.	11.3 m ²
3102	C.12.1/1	SCARL Director	13.4 m ²
3103	F.31.2/4	IT Support	11.1 m ²
3104	C.13.3/4	SCARL Consult.	11.3 m ²
3105	F.31.1/4	IT Support	11.2 m ²
3106	C.13.1/2	SCARL Meeting (4)	11.3 m ²
3108	D.48.16/18	Faculty Office	11.3 m ²
3109	F.31.4/4	IT Support	11.2 m ²
3112	D.48.13/18	Faculty Office	11.3 m ²
3114	D.48.12/18	Faculty Office	11.3 m ²
3116	D.48.11/18	Faculty Office	11.3 m ²
3118	D.48.10/18	Faculty Office	11.3 m ²
3122	D.48.9/18	Faculty Office	11.3 m ²
3123	D.51.2/7/9	WRK Graduate	22.9 m ²
3124	D.48.8/18	Faculty Office	11.3 m ²
3125	C.15.1/4	Comp Lab	21.2 m ²
3126	D.48.7/18	Faculty Office	11.3 m ²
3127	D.51.2/6/9	WRK Graduate	21.2 m ²
3128	D.48.6/18	Faculty Office	11.3 m ²

Level 3 - Room Schedule

Room Number	Program Number	Room Name	Area
3129	D.51.2/5/9	WRK Graduate	21.2 m ²
3131	D.51.2/3/9	WRK Graduate	21.2 m ²
3132	D.48.5/18	Faculty Office	11.3 m ²
3133	D.51.2/4/9	WRK Graduate	21.2 m ²
3134	D.48.4/18	Faculty Office	11.3 m ²
3135	D.51.2/2/9	WRK Graduate	21.2 m ²
3136	D.48.3/18	Faculty Office	11.3 m ²
3138	D.48.2/18	Faculty Office	11.3 m ²
3142	D.48.1/18	Faculty Office	11.3 m ²
3144	D.50.2/5	Shared Office (3)	19.3 m ²
3146	D.50.5/6	Shared Office (2)	11.3 m ²
3148	D.50.4/5	Shared Office (2)	11.2 m ²
3150	D.50.3/5	Shared Office (2)	11.3 m ²
3154	D.50.1/5	Shared Office (3)	19.3 m ²
3156	D.48.14/18	Faculty Office	11.3 m ²
3158	D.48.15/18	Faculty Office	11.3 m ²
3161	D.51.2/8/9	WRK Graduate	21.0 m ²
3162	D.48.17/18	Faculty Office	11.3 m ²
3163	C.15.3/4	Comp Lab	11.5 m ²
3164	D.48.18/18	Faculty Office	11.3 m ²
3165	D.51.2/1/9	WRK Graduate	21.0 m ²
3166	D.49.1/3	Office Other	11.3 m ²
3167	C.15.2/4	Comp Lab	11.5 m ²
3168	D.49.2/3	Office Other	11.3 m ²
3169	D.51.2/9/9	WRK Graduate	21.4 m ²
3172	D.49.3/3	Office Other	11.3 m ²
3173	C.15.4/4	Comp Lab	12.4 m ²
3174	D.54.1/2	Stat's Help Desk Tutorial	23.1 m ²
3180	D.36.1/1	Waiting	6.2 m ²
3181	D.40.1/1	Workroom Mail	27.5 m ²
3181A	F.30.2/2	General Computing	17.2 m ²
3182			15.3 m ²
3182A	D.38.1/1	Open Office Area	8.6 m ²
3188	D.33.1/2	Admin Staff	11.1 m ²
3190A	D.34.3/3	Wrkstn Staff	6.5 m ²
3192	D.32.1/1	Head Office	17.9 m ²
3194	C.13.4/4	Head's Meeting (4)	11.2 m ²
3195	D.37.1/1	Files Active	9.2 m ²
3196	D.33.2/2	Admin Staff	11.2 m ²

NO ISSUE DATE

Sheet Information

Date MAY 14, 2010

Job Number 410920

Drawn Author

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DEVELOPMENT PERMIT APPLICATION SET

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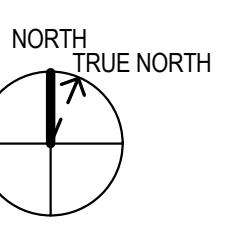
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Room Number	Program Number	Room Name	Area
4000C	D.72.1/1	PIMS Waiting	6.8 m ²
4009	D.19.3/3	Research Meeting Room (12)	19.8 m ²
4011	D.2.1/4	Shared Lounge	22.2 m ²
4012	D.28.6/12	Master Wrkstn (6)	25.2 m ²
4013	D.28.10/12	Master Wrkstn (6)	22.8 m ²
4014	D.28.7/12	Master Wrkstn (6)	20.6 m ²
4017	D.26.7/15	EOS Shared (2)	11.2 m ²
4019	D.26.8/15	EOS Shared (2)	11.2 m ²
4021	D.28.11/12	Master Wrkstn (6)	22.9 m ²
4031	D.26.1/15	EOS Shared (2)	10.0 m ²
4033A	C.1.2/2	Comp. Lab (L)	39.2 m ²
4033B	C.1.1/2	Comp. Lab (L)	39.3 m ²
4033C	D.28.8/12	Master Wrkstn (6)	22.5 m ²
4035	D.26.2/15	EOS Shared (2)	9.9 m ²
4037	D.28.9/12	Master Wrkstn (6)	19.9 m ²
4039	C.3.1/1+1	PI Stor.	8.8 m ²
4042B	C.26.6/6	Fumehood Lab	19.0 m ²
4042C	C.22.3/3	Geochemistry Lab	19.5 m ²
4042D	C.24.4/6	Equip.	19.3 m ²
4042E	C.20.1/3	Lab Module	24.6 m ²
4042F	C.20.2/3	Lab Module	28.0 m ²
4042G	C.20.3/3	Lab Module	28.1 m ²
4042H	C.21.1/3	Lab Module	28.1 m ²
4042I	C.21.2/3	Lab Module	28.1 m ²
4042J	C.21.3/3	Lab Module	27.7 m ²
4043	D.26.9/15	EOS Shared (2)	11.2 m ²
4044	C.25.3/6	Fluid Inclusion	16.1 m ²
4045	D.26.10/15	EOS Shared (2)	11.2 m ²
4046	C.25.5/6	Microscopy	24.7 m ²
4046A	C.26.5/6	Cathode Lum.	7.6 m ²
4047	D.28.12/12	Master Wrkstn (6)	22.9 m ²
4052B	C.24.6/6	Geochemistry Lab	25.7 m ²
4052C	C.24.5/6	Equip.	36.0 m ²
4052D	C.19.1/3	Lab Module	27.7 m ²
4052E	C.19.2/3	Lab Module	27.5 m ²
4053	D.26.11/15	EOS Shared (2)	11.2 m ²
4054	D.26.4/15	EOS Shared (2)	9.9 m ²
4055	D.26.12/15	EOS Shared (2)	10.7 m ²
4058	C.29.1/1	Containment Lab	25.4 m ²
4065	D.24.5/15	EOS Faculty	11.5 m ²
4067	D.24.6/15	EOS Faculty	12.3 m ²
4071	C.49.1/1	Acid Prep	12.8 m ²
4072	C.50.1/1	Acid Wash	13.1 m ²
4081	C.47.2/2	Gown	7.8 m ²
4082	C.48.1/4	Plankton Cleanroom	15.4 m ²
4083	C.48.2/4	Perchloric Cleanroom	15.3 m ²
4085	C.48.3/4	Particles Cleanroom	15.3 m ²
4087	C.48.4/4	Seawater Cleanroom	19.5 m ²
4101	D.64.4/17	Researcher (2)	11.3 m ²
4102	D.64.14/17	Researcher (2)	13.4 m ²
4103	D.64.3/17	Researcher (2)	11.1 m ²
4104	D.64.13/17	Researcher (2)	11.3 m ²
4105	D.74.1/1	Meeting Room (8)	19.9 m ²
4106	D.64.12/17	Researcher (2)	11.3 m ²
4108	D.64.11/17	Researcher (2)	11.3 m ²
4109	D.64.5/17	Researcher (2)	11.1 m ²
4112	D.64.10/17	Researcher (2)	11.3 m ²
4114	D.64.9/17	Researcher (2)	11.3 m ²
4116	D.64.8/17	Researcher (2)	11.3 m ²
4118	D.64.7/17	Researcher (2)	11.3 m ²
4122	D.64.6/17	Researcher (2)	11.3 m ²
4123	F.28.1/1	IT Storage	13.1 m ²
4124	F.31.3/4	Stats IT Support	11.3 m ²
4125	F.26.1/1	IT Work Area	21.3 m ²

Level 4 - Room Schedule			
Room Number	Program Number	Room Name	Area
4126	D.68.4/5	Admin (IT)	11.3 m ²
4127	D.75.1/1	Meeting	45.2 m ²
4128	D.62.5/6	Admin Office	11.3 m ²
4131	D.63.1/1	Graduate (10)	58.1 m ²
4132	D.64.2/17	Researcher (2)	11.3 m ²
4133	D.79.1/1	Library	74.0 m ²
4134	D.64.1/17	Researcher (2)	11.3 m ²
4136	D.68.1/5	Admin	11.3 m ²
4138	D.68.3/5	Admin	11.3 m ²
4142	D.68.2/5	Admin	11.3 m ²
4144	D.60.2/2	BIRS Office	13.4 m ²
4148	D.64.15-17/17	Collaborative Research (Lounge)	34.7 m ²
4154	D.60.1/2	Director Office	13.4 m ²
4156	D.61.2/2	Dep. Director	11.3 m ²
4158	D.61.1/2	Dep. Director	11.3 m ²
4162	D.62.1/6	Admin Office	11.3 m ²
4164	D.62.2/6	Admin Office	11.3 m ²
4166	D.62.3/6	Admin Office	11.3 m ²
4168	D.62.4/6	Admin Office	11.3 m ²
4169	D.76.1/1	Stor.	6.9 m ²
4171	D.71.1/1	Files Active	6.9 m ²
4172	D.62.6/6	Admin Office	11.3 m ²
4173	D.78.1/1	Workroom	23.8 m ²
4176	D.67.1/1	Reception	35.4 m ²
4182	C.14.1/1	SCARL Meeting Room (12)	25.5 m ²
4183	F.30.1/2	IT Work Area	15.0 m ²
4183A	F.32.1/1	IT Stor. (Stats)	7.3 m ²
4185	D.41.1/2	Files Archive (Stats)	9.3 m ²
4192	D.39.1/1	Statistics Meeting 30-40	82.3 m ²
4192A	D.41.2/2	Storage	5.9 m ²

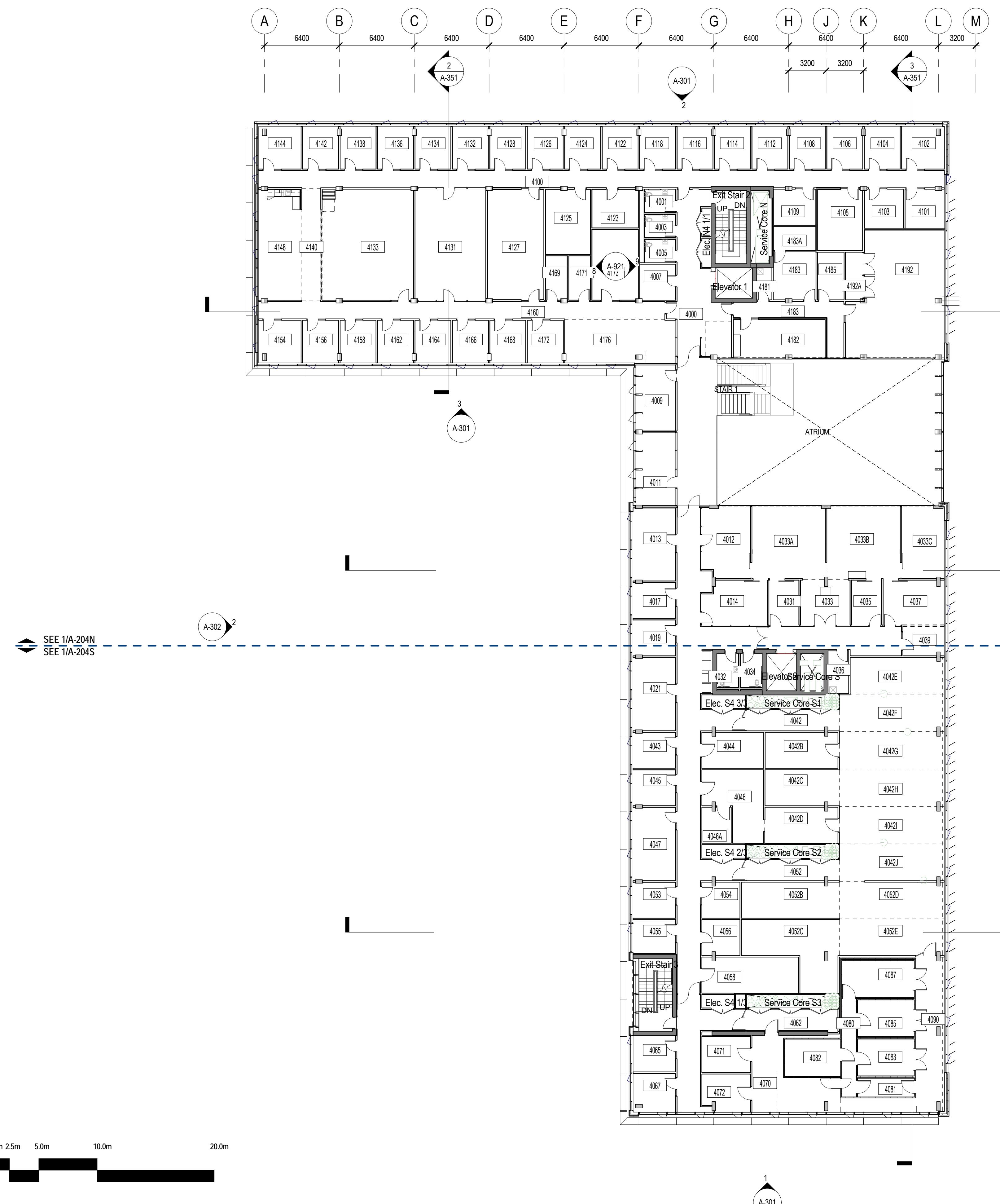
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Checked		Checker
Approved		Approver

FLOOR PLAN - LEVEL 4



A-104



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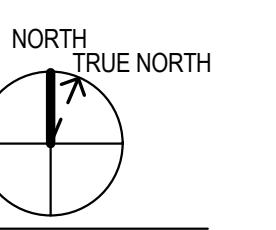
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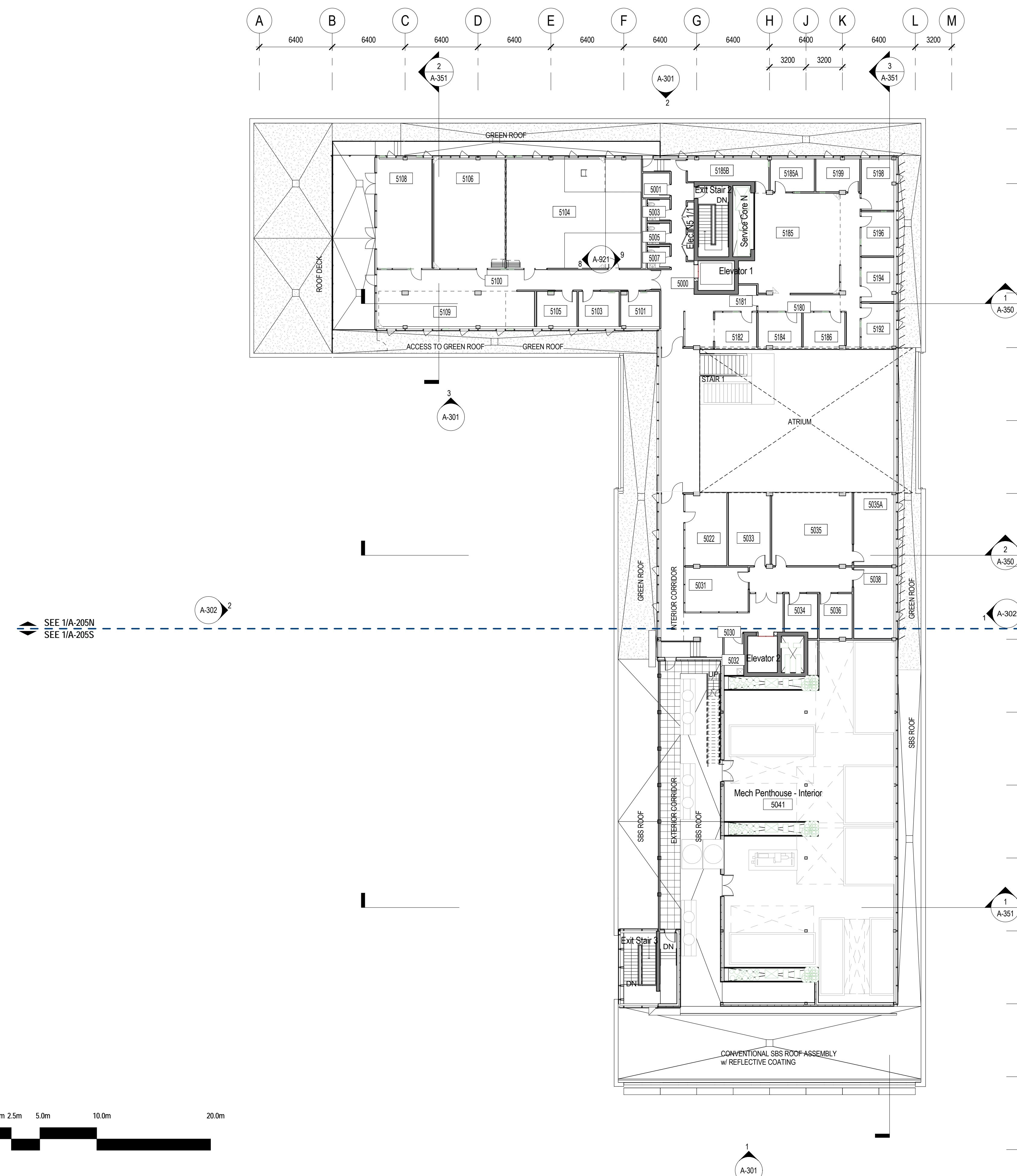
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**FLOOR PLAN - LEVEL
5**



A-105



Level 5 - Room Schedule			
Room Number	Program Number	Room Name	Area
5022	C.9.3/5	Resource Centre	23.8 m ²
5031	D.26.15/15	EOS Shared (2)	22.2 m ²
5033	C.8.3/3	Office Research	23.5 m ²
5034	D.26.6/15	EOS Shared (2)	10.3 m ²
5035	C.2.2/2	Comp. Lab (S)	45.5 m ²
5035A	C.8.2/3	Office Research	22.7 m ²
5036	D.26.5/15	EOS Shared (2)	11.4 m ²
5038	C.9.5/5	Resource Centre	22.0 m ²
5101	C.10.1/3	Sheehan Office	10.5 m ²
5103	C.10.2/3	Sheehan Office	11.0 m ²
5104	C.58.1/1	3D Visualization Learning Node	104.5 m ²
5104A	C.59.1/1	Control Room	9.2 m ²
5105	C.10.3/3	Sheehan Office	10.9 m ²
5106	D.4.1/1	Shared Meeting	60.6 m ²
5108	D.20.1/1	Large Research Meeting Room (24)	44.8 m ²
5109	D.2.4/4	Shared Lounge	34.6 m ²
5182	C.11.1/2	Office Librarian	11.4 m ²
5184	C.11.2/2	Office Librarian	11.7 m ²
5185	C.9.1/5	Resource Centre	79.5 m ²
5185A	C.7.1/1	Office Admin Asst.	11.1 m ²
5185B	C.3.1/1	PI Stor.	15.3 m ²
5186	D.24.11/15	EOS Faculty	11.3 m ²
5192	D.24.12/15	EOS Faculty	11.2 m ²
5194	D.24.13/15	EOS Faculty	11.3 m ²
5196	D.24.15/15	EOS Faculty	11.3 m ²
5198	C.6.1/1	Office Director	12.9 m ²
5199	D.24.14/15	EOS Faculty	11.1 m ²

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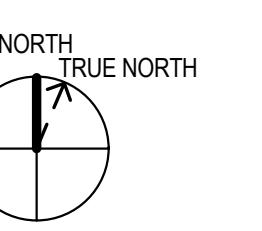
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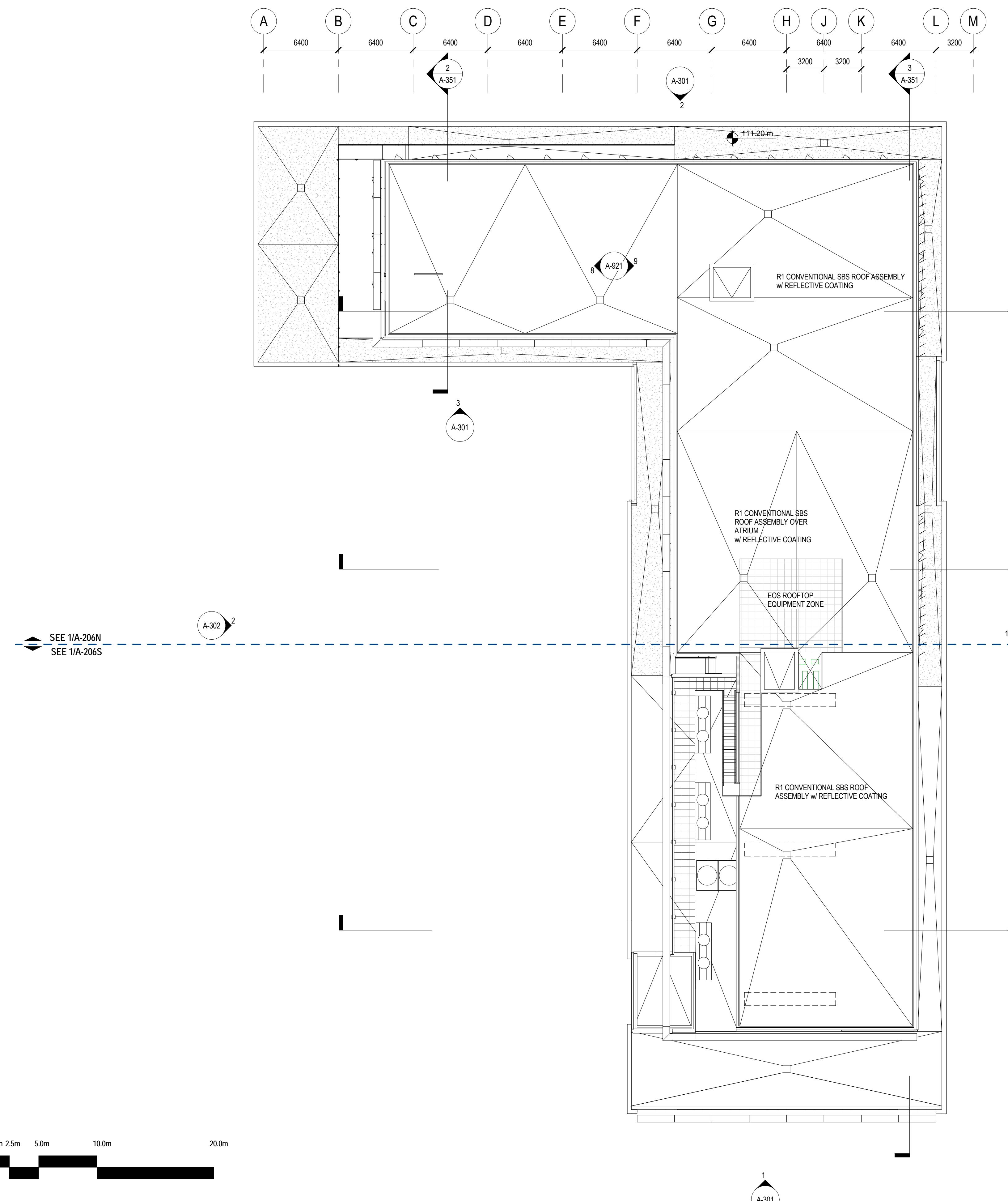
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FLOOR PLAN - ROOF



Sheet

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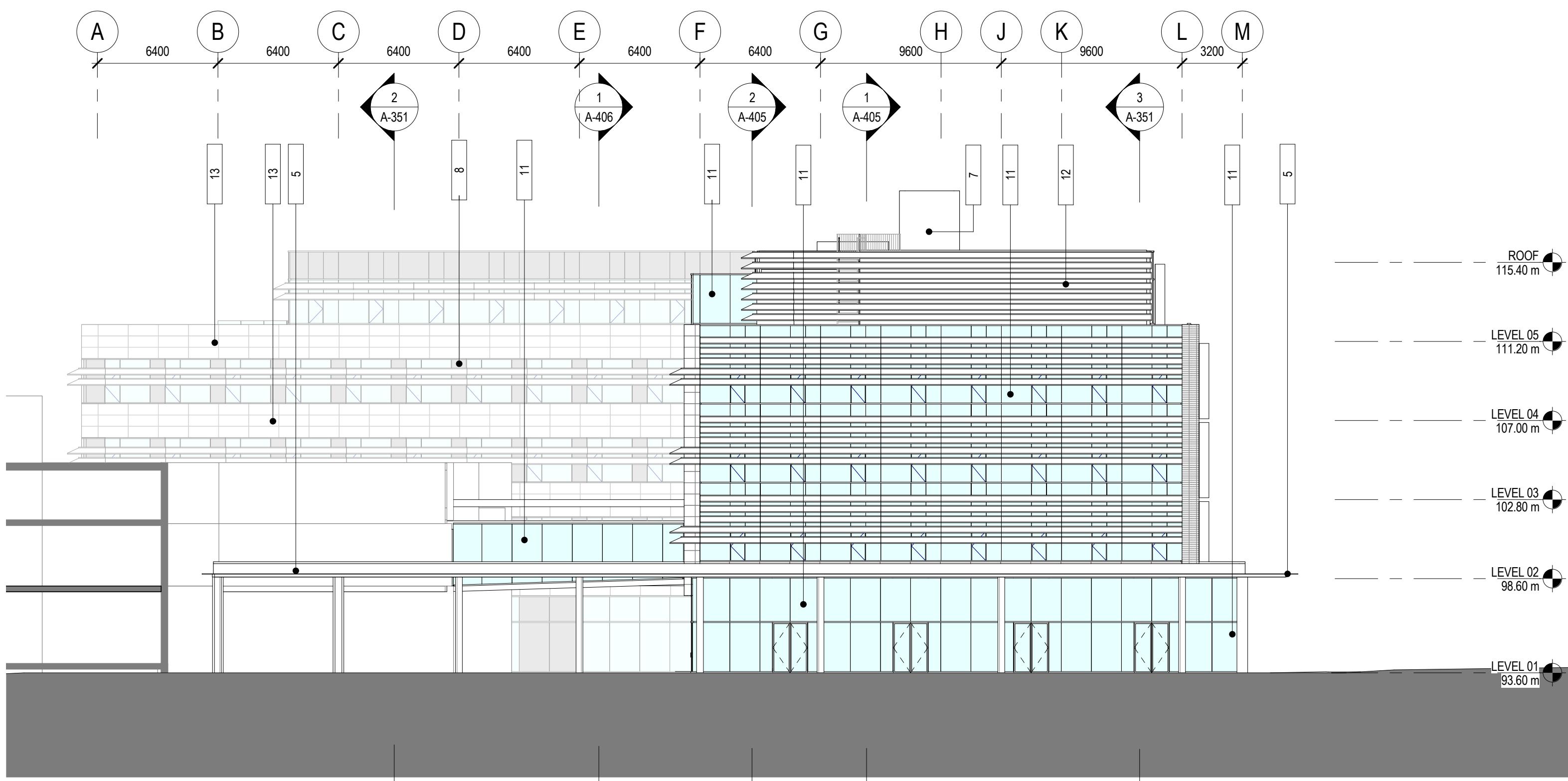
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FOUNDATION BP SET	04.23.2010
50% CD SET	03.26.2010
ISSUED FOR CONSTRUCTION	03.15.2010
RE-ISSUED DP SET	02.19.2010
ISSUED FOR TENDER	02.02.2010
RE-ISSUED DP SET	02.02.2010
15% CD SET	01.29.2010
Drawing Issue	Date



3 SOUTH ELEVATION - NORTH WING
1:200

2 NORTH - ELEVATION
1:200



1 SOUTH - ELEVATION - SOUTH WING
1:200

A-301

**ESSB - EARTH
SYSTEMS SCIENCE
BUILDING**

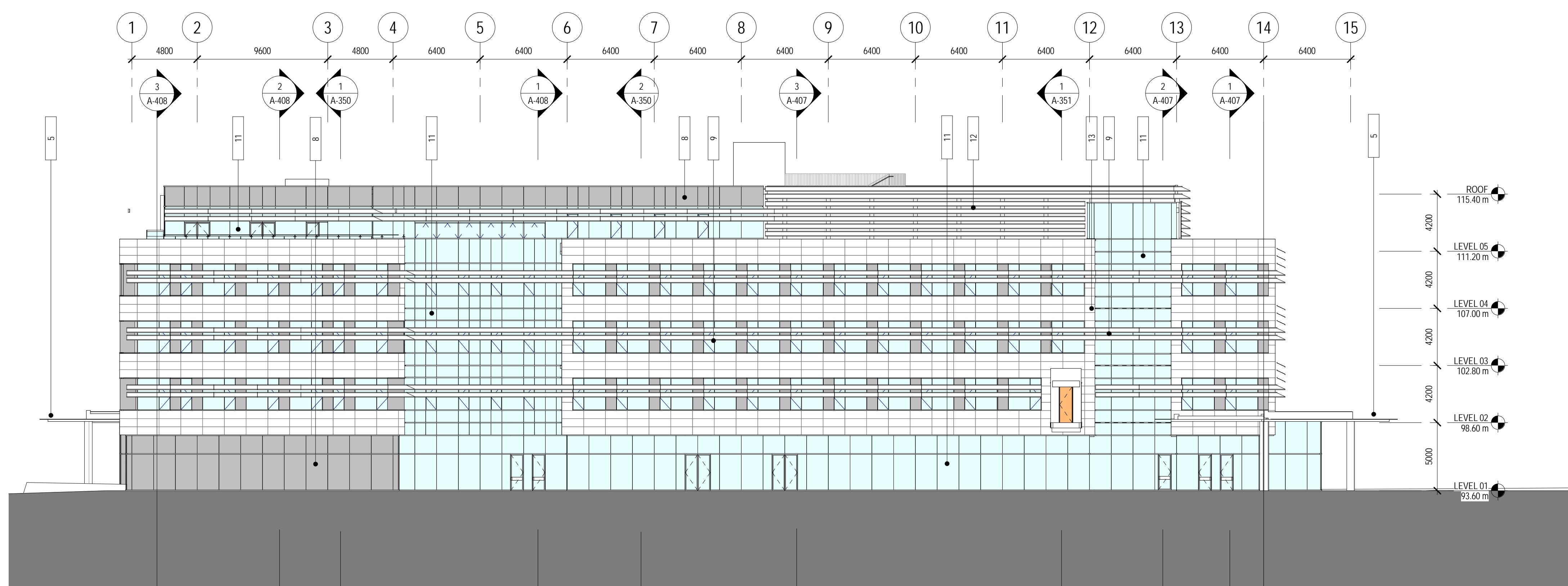
**UBC PROPERTIES
TRUST**

UNIVERSITY OF BRITISH COLUMBIA
2207 MAIN MALL
VANCOUVER, BC
CANADA

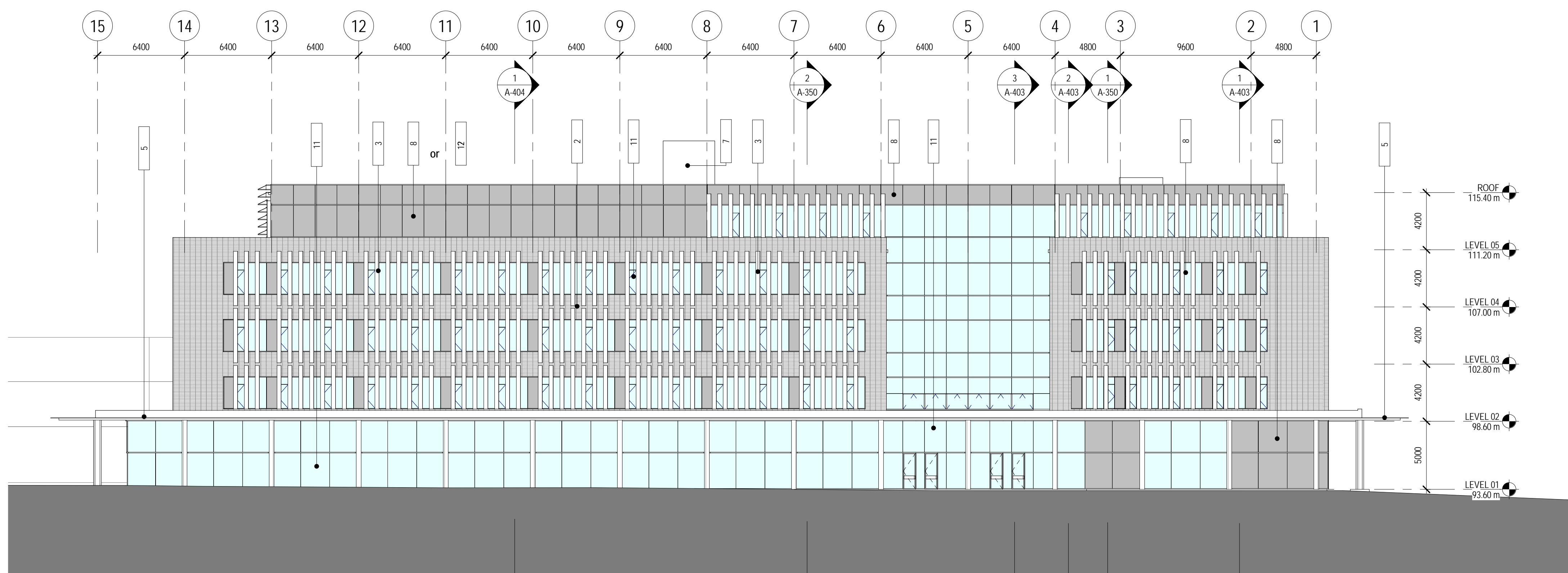
**DEVELOPMENT
PERMIT
APPLICATION SET**

UPDATED MAY 14, 2010

RE-ISSUED DP SET	05.14.2010
FOUNDATION BP SET	04.23.2010
50% CD SET	03.26.2010
ISSUED FOR CONSTRUCTION	03.15.2010
RE-ISSUED DP SET	02.19.2010
ISSUED FOR TENDER	02.02.2010
RE-ISSUED DP SET	02.02.2010
15% CD SET	01.29.2010
Drawing Issue	Date



② WEST - ELEVATION



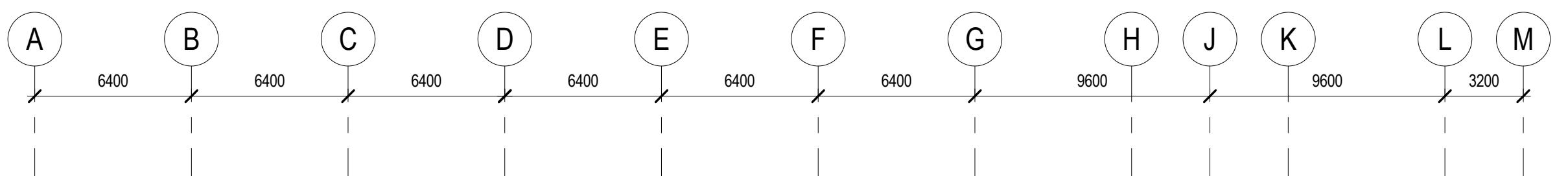
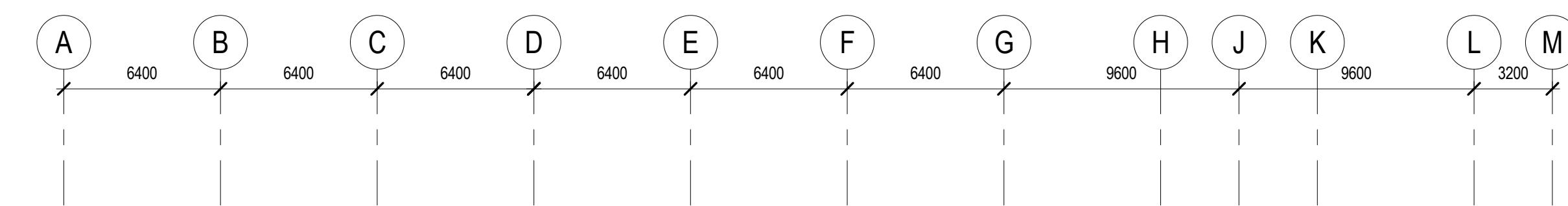
**BUILDING
ELEVATIONS EAST /
WEST**

A-302

**DEVELOPMENT
PERMIT
APPLICATION SET**

UPDATED MAY 14, 2010

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FOUNDATION BP SET	04.23.2010
50% CD SET	03.26.2010
ISSUED FOR CONSTRUCTION	03.15.2010
RE-ISSUED DP SET	02.19.2010
ISSUED FOR TENDER	02.02.2010
RE-ISSUED DP SET	02.02.2010
15% CD SET	01.29.2010
Drawing Issue	Date



Sheet

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Revisions

NO	ISSUE	DATE
Sheet Information		
Date	MAY 14, 2010	
Job Number	410920	
Drawn	Author	
Checked	Checker	
Approved	Approver	
	Title	

BUILDING SECTIONS

**ESSB - EARTH
SYSTEMS SCIENCE
BUILDING**

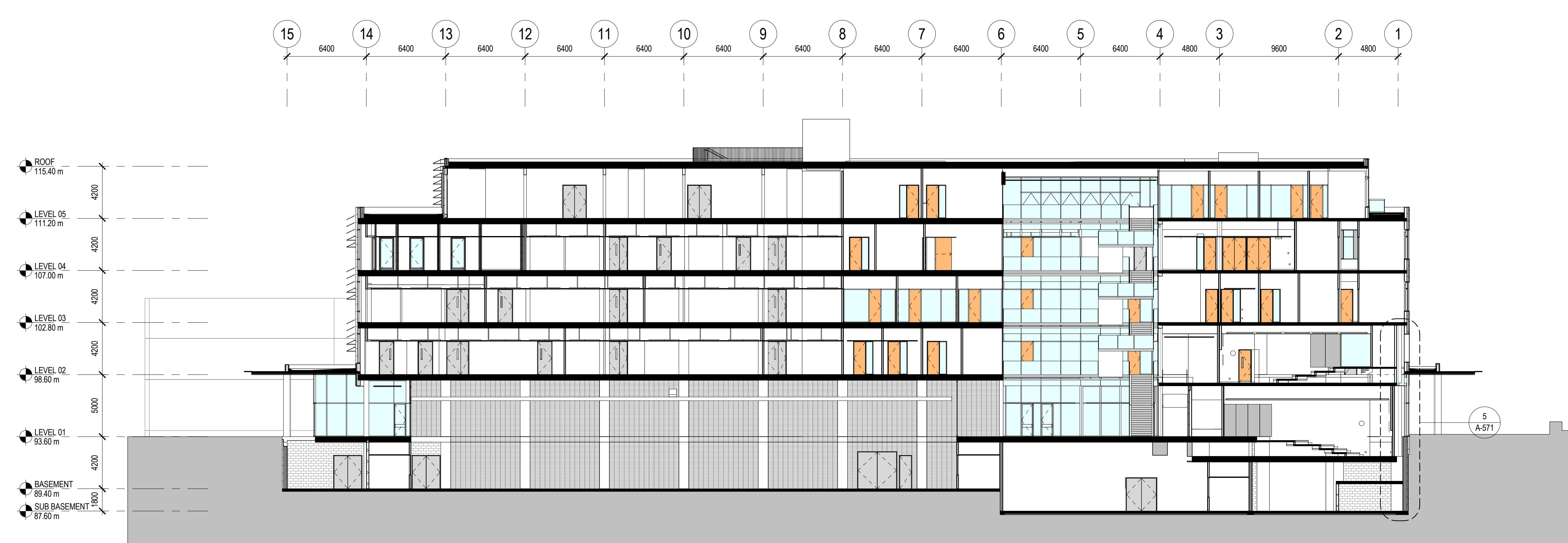
**UBC PROPERTIES
TRUST**

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2207 MAIN MALL
VANCOUVER, BC
CANADA

**DEVELOPMENT
PERMIT
APPLICATION SET**

UPDATED MAY 14, 2010

RE-ISSUED DP SET	05.14.2010
FOUNDATION BP SET	04.23.2010
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RE-ISSUED DP SET	02.19.2010
ISSUED FOR TENDER	02.02.2010
RE-ISSUED DP SET	02.02.2010
15% CD SET	01.29.2010
Drawing Issue	Date



③ SECTION - WEST - ATRIUM AND LECTURE THEATERS
1:200



② SECTION - NORTH - OFFICE WING
1:200



① SECTION - SOUTH - BRIDGE CONNECTION
1:200

NO	ISSUE	DATE
Sheet Information		
Date	MAY 14, 2010	
Job Number	410920	
Drawn	Author	
Checked	Checker	
Approved	Approver	
Title		

BUILDING SECTIONS

**DEVELOPMENT
PERMIT
APPLICATION SET**

UPDATED MAY 14, 2010

RE-ISSUED DP SET	05.14.2010
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ISSUED FOR TENDER	02.02.2010
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15% CD SET	01.29.2010
Drawing Issue	Date

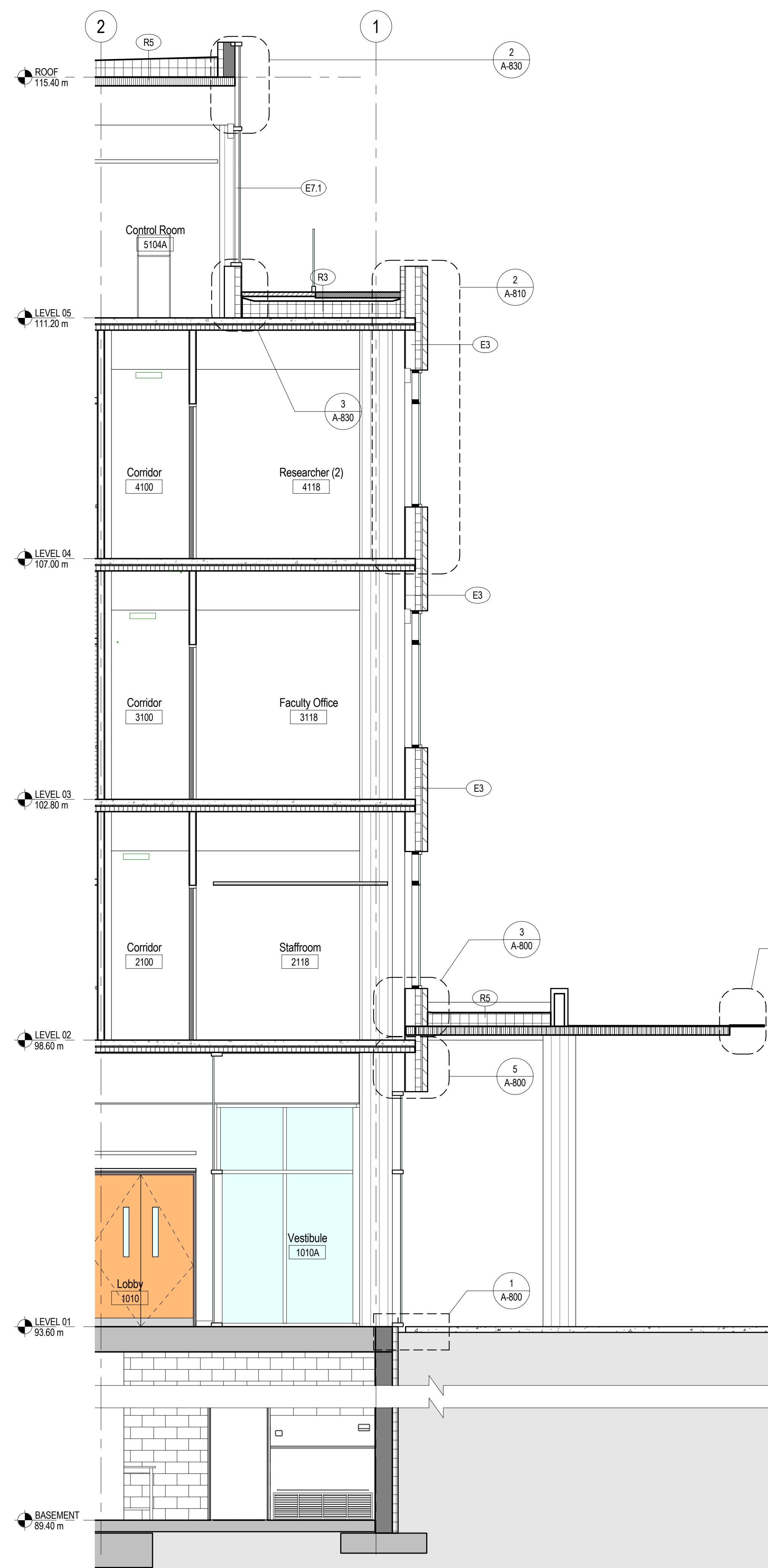
Revisions

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Job Number	410920	
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Approved	Approver	
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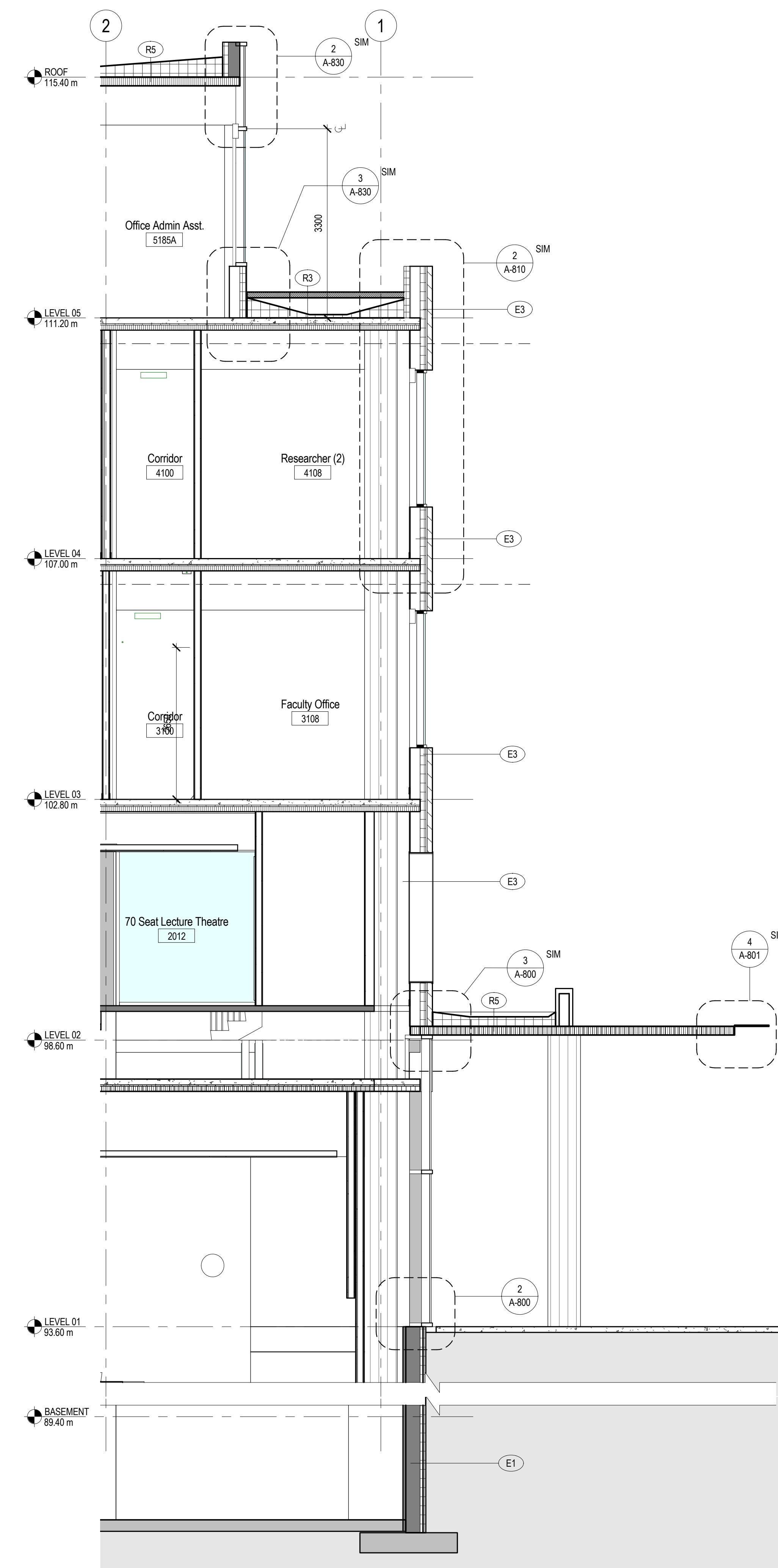
**WALL SECTIONS -
NORTH**

Sheet

A-401



2 NORTH - WALL SECTION - NORTH WING
1:50



1 NORTH - WALL SECTION - LECTURE THEATRES
1:50

**DEVELOPMENT
PERMIT
APPLICATION SET**

UPDATED MAY 14, 2010

RE-ISSUED DP SET	05.14.2010
FOUNDATION BP SET	04.23.2010
50% CD SET	03.26.2010
ISSUED FOR CONSTRUCTION	03.15.2010
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Drawing Issue	Date

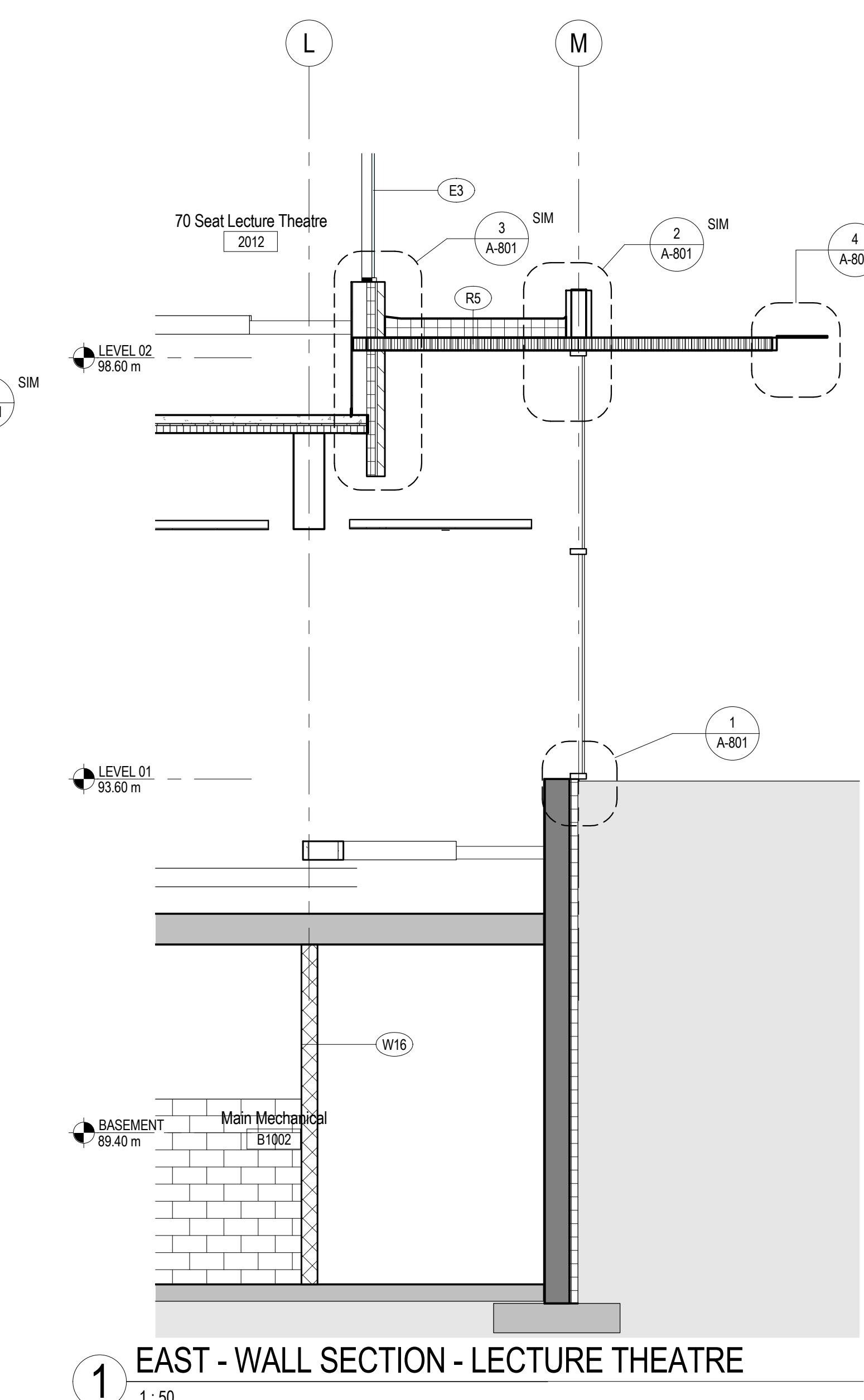
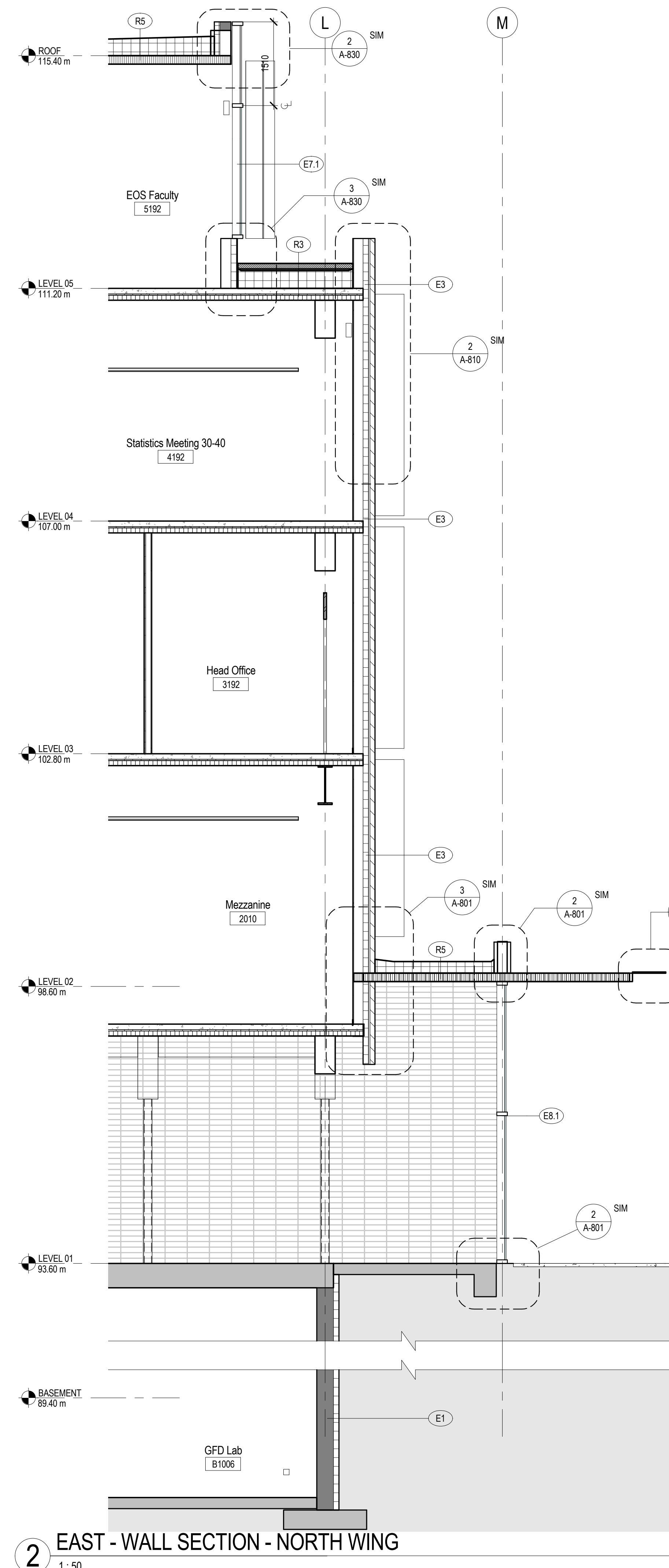
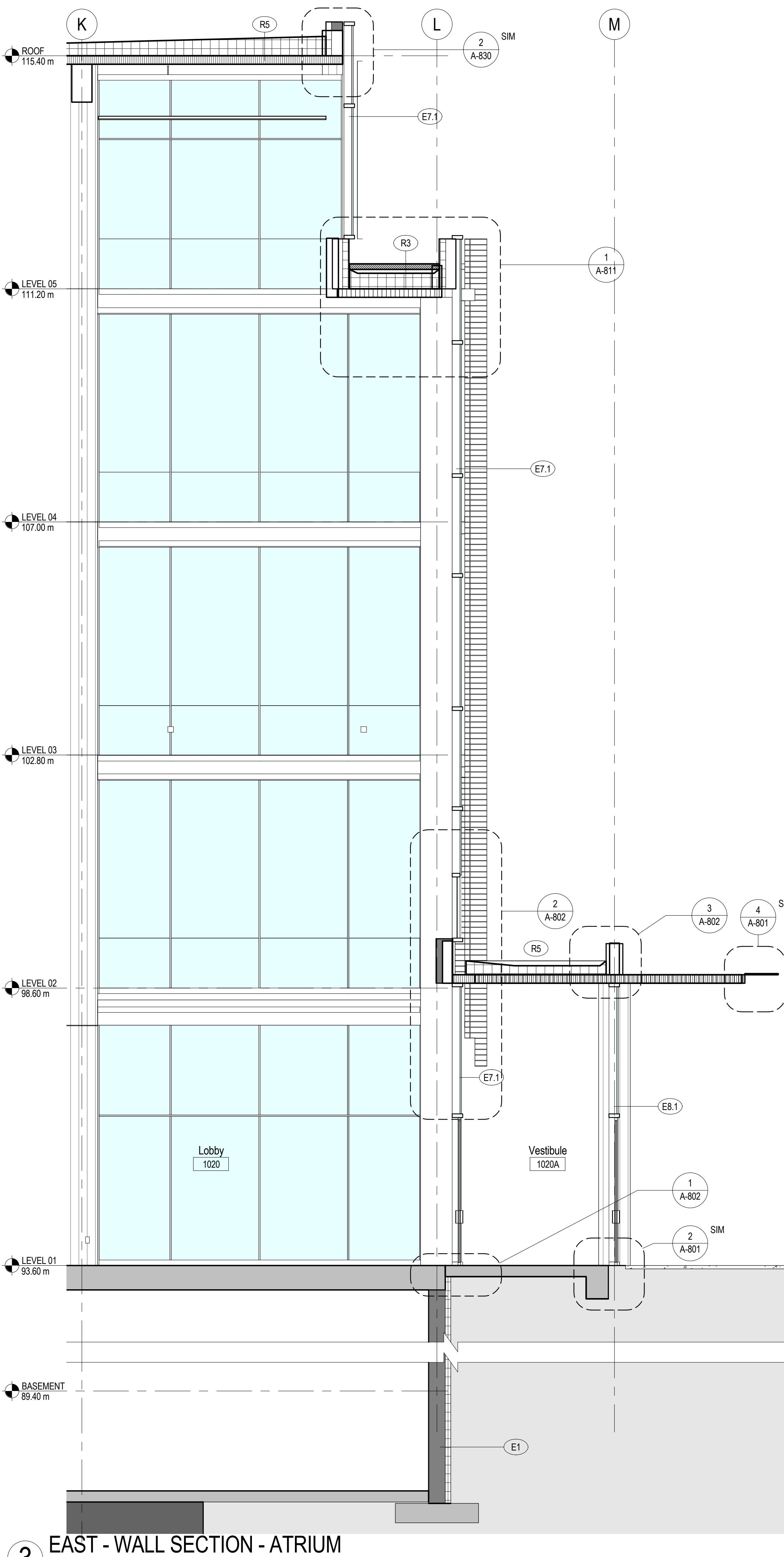
Revisions

NO	ISSUE	DATE
Sheet Information		
Date	MAY 14, 2010	
Job Number	41020	
Drawn	Author	
Checked	Checker	
Approved	Approver	
Title		

**WALL SECTIONS -
EAST**

Sheet

A-403



**DEVELOPMENT
PERMIT
APPLICATION SET**

UPDATED MAY 14, 2010

RE-ISSUED DP SET	05.14.2010
FOUNDATION BP SET	04.23.2010
50% CD SET	03.26.2010
ISSUED FOR CONSTRUCTION	03.15.2010
RE-ISSUED DP SET	02.19.2010
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RE-ISSUED DP SET	02.02.2010
15% CD SET	01.29.2010
Drawing Issue	Date

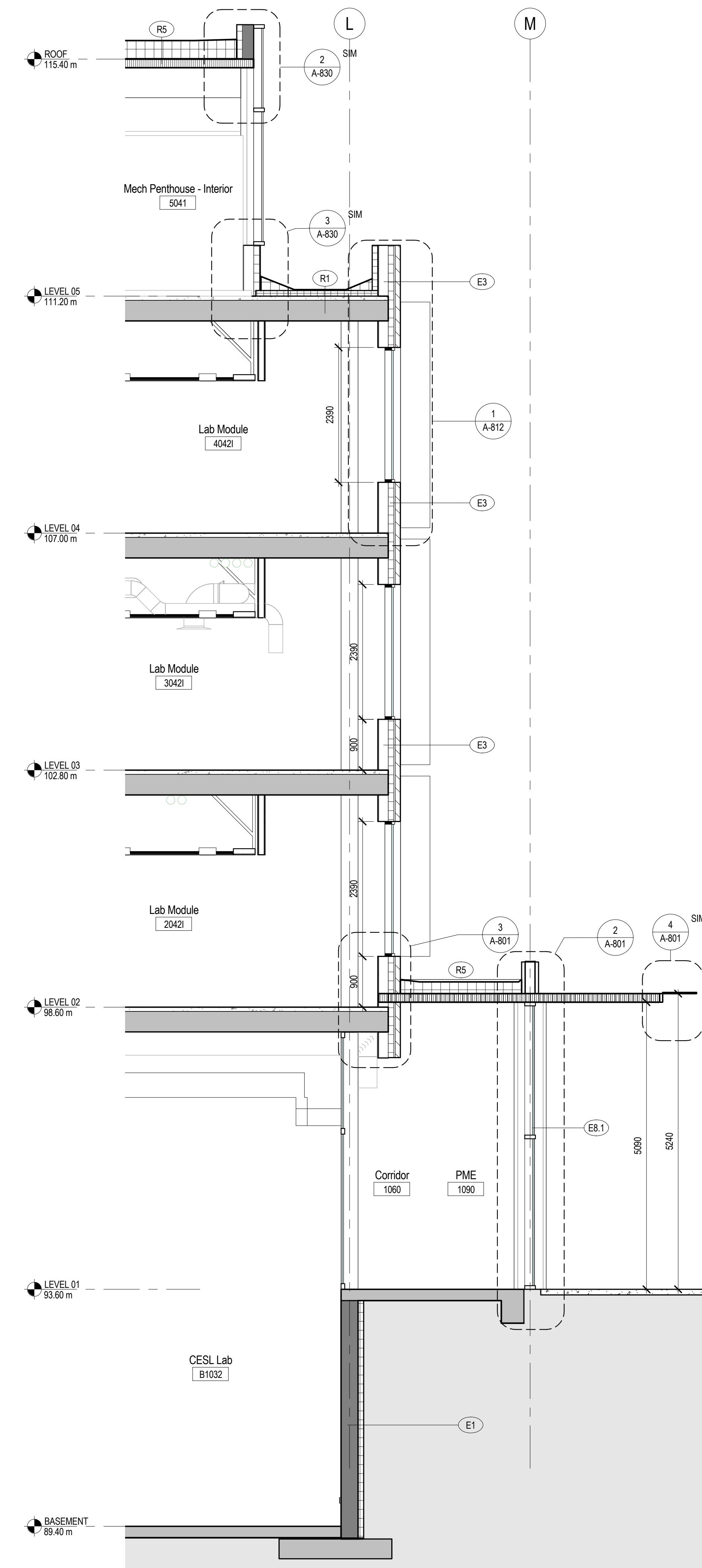
Revisions

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Date	MAY 14, 2010	
Job Number	410920	
Drawn	Author	
Checked	Checker	
Approved	Approver	
Title		

**WALL SECTIONS -
EAST**

Sheet

A-404



1 EAST - WALL SECTION - LABORATORY

1 : 50

**DEVELOPMENT
PERMIT
APPLICATION SET**

UPDATED MAY 14, 2010

RE-ISSUED DP SET	05.14.2010
FOUNDATION BP SET	04.23.2010
50% CD SET	03.26.2010
ISSUED FOR CONSTRUCTION	03.15.2010
RE-ISSUED DP SET	02.19.2010
ISSUED FOR TENDER	02.02.2010
RE-ISSUED DP SET	02.02.2010
15% CD SET	01.29.2010
Drawing Issue	Date

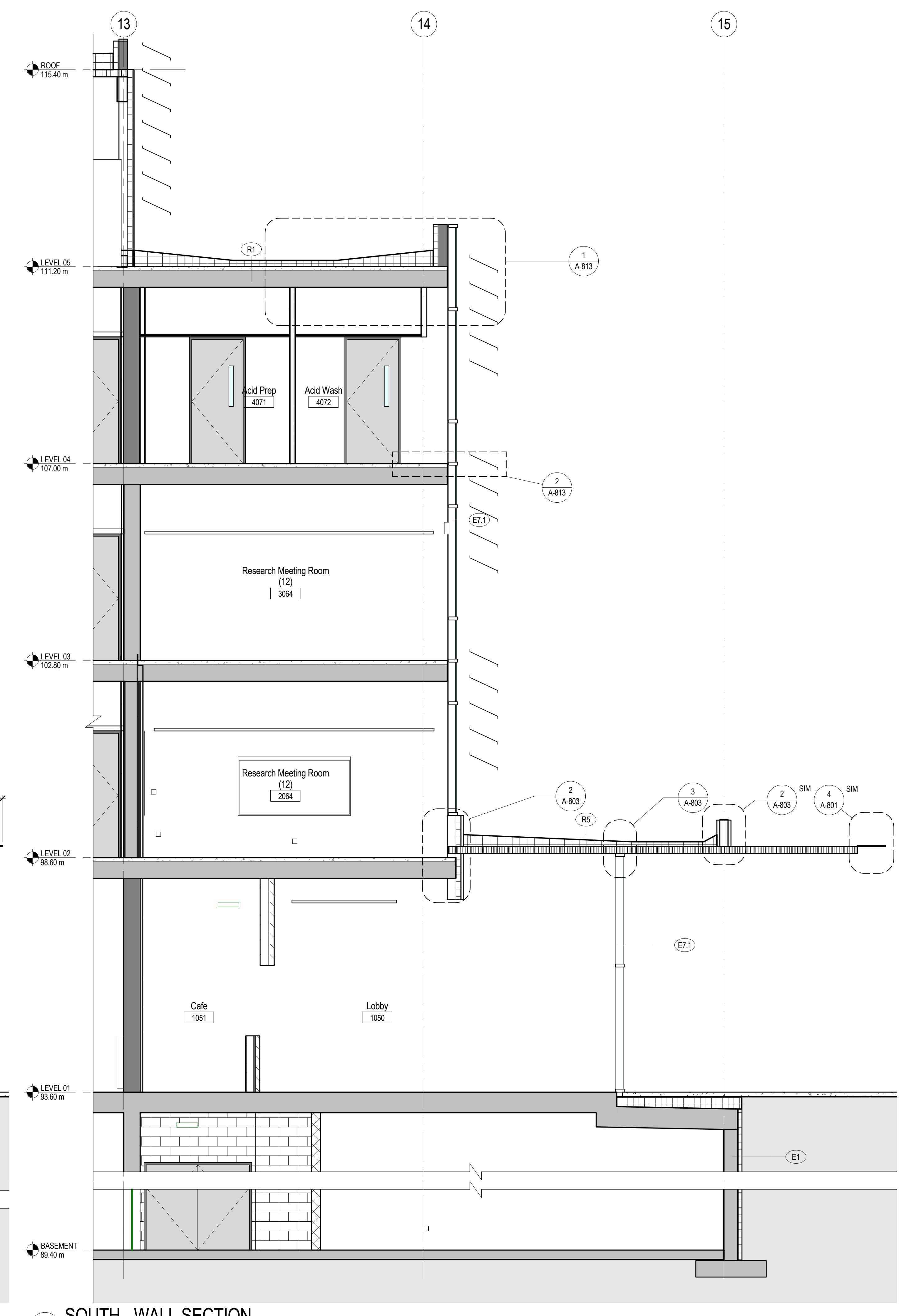
Revisions

NO	ISSUE	DATE
Sheet Information		
Date	MAY 14, 2010	
Job Number	410920	
Drawn	Author	
Checked	Checker	
Approved	Approver	
Title		

**WALL SECTIONS -
SOUTH**

Sheet

A-405



**DEVELOPMENT
PERMIT
APPLICATION SET**

UPDATED MAY 14, 2010

RE-ISSUED DP SET	05.14.2010
FOUNDATION BP SET	04.23.2010
50% CD SET	03.26.2010
ISSUED FOR CONSTRUCTION	03.15.2010
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ISSUED FOR TENDER	02.02.2010
RE-ISSUED DP SET	02.02.2010
15% CD SET	01.29.2010
Drawing Issue	Date

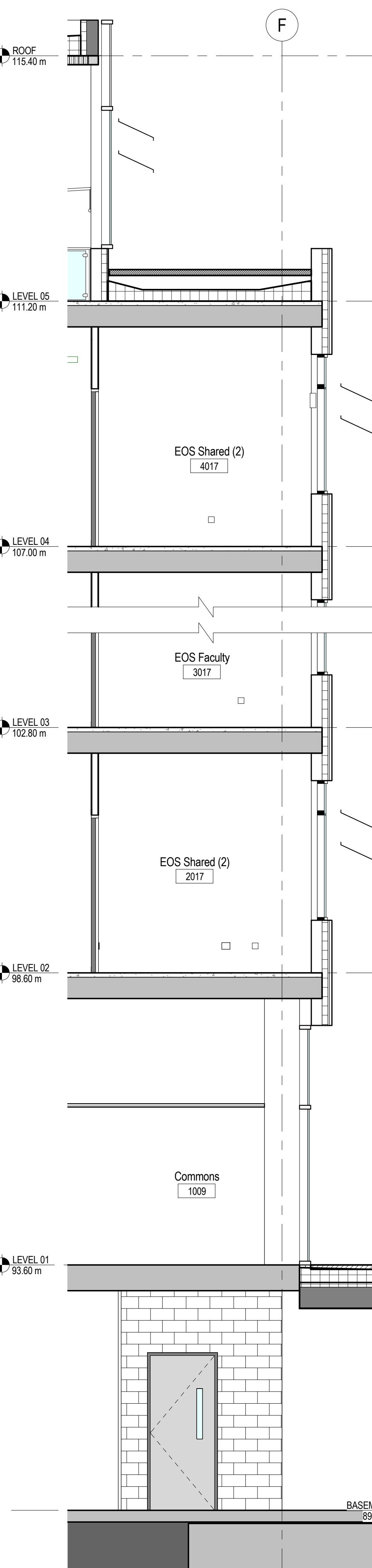
Revisions

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Job Number	410920	
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Approved	Approver	
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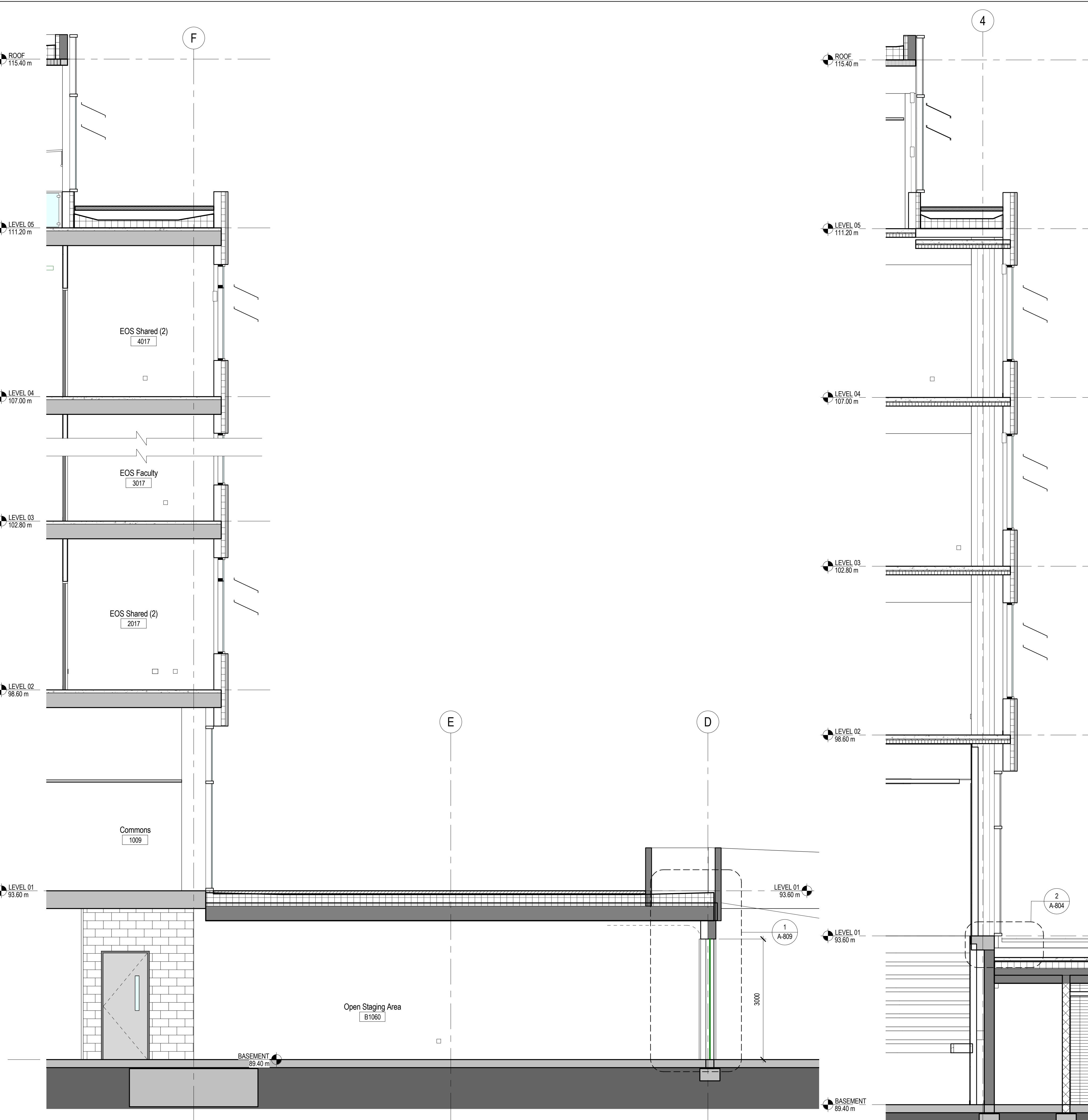
**WALL SECTIONS -
SOUTH, WEST**

Sheet

A-406



2 WEST - WALL SECTION - THROUGH LOADING
1:50



3 SOUTH - WALL SECTION - NORTH WING
1:50



1 SOUTH - WALL SECTION - NORTH WING
1:50

**DEVELOPMENT
PERMIT
APPLICATION SET**

UPDATED MAY 14, 2010

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RE-ISSUED DP SET	02.02.2010
15% CD SET	01.29.2010
Drawing Issue	Date

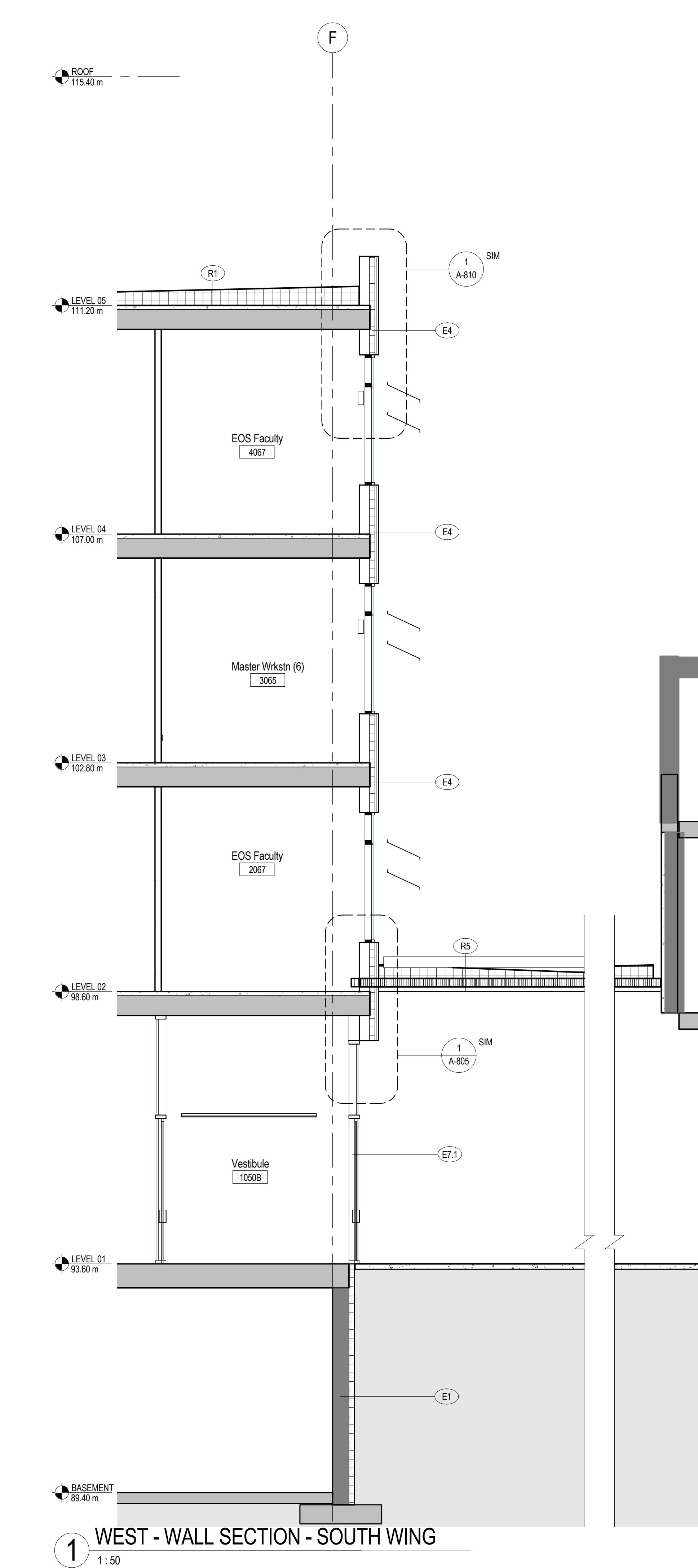
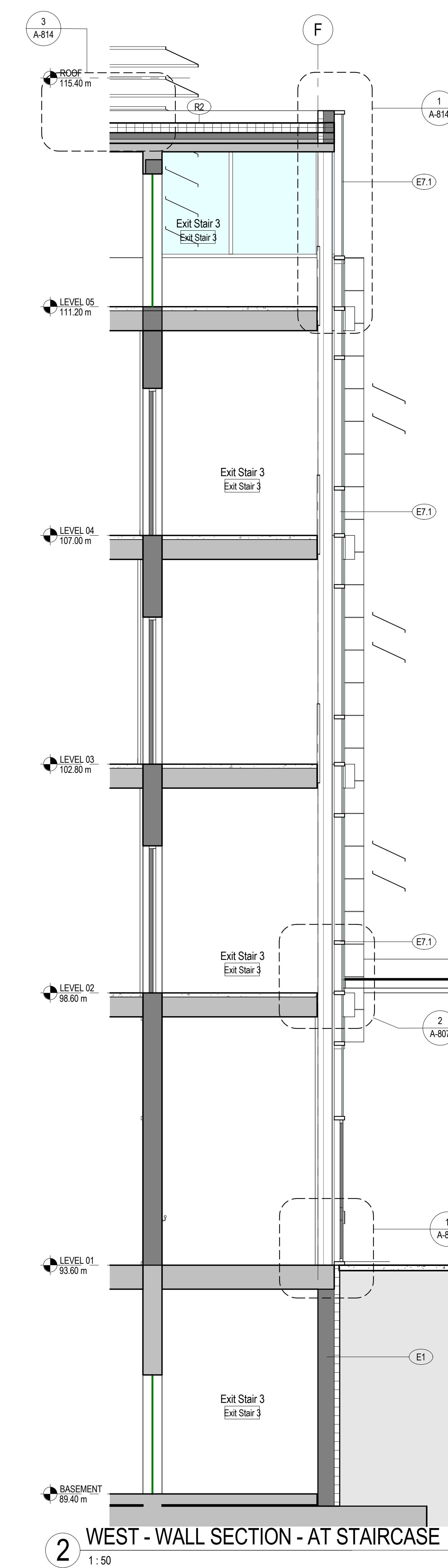
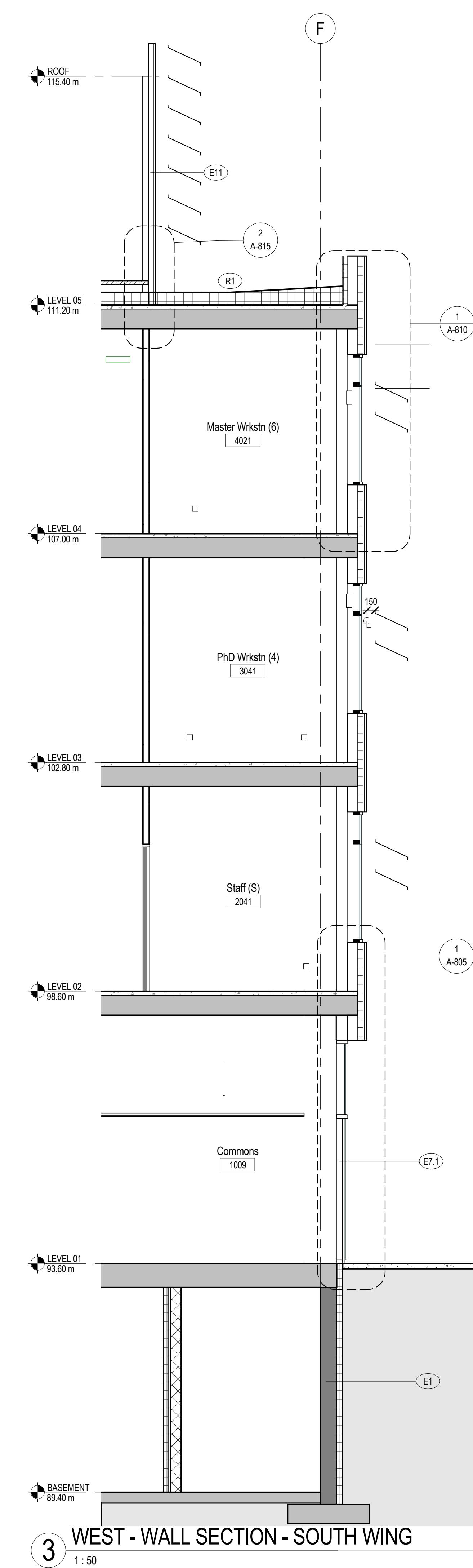
Revisions

NO	ISSUE	DATE
Sheet Information		
Date	MAY 14, 2010	
Job Number	410920	
Drawn	Author	
Checked	Checker	
Approved	Approver	
Title		

**WALL SECTIONS -
WEST**

Sheet

A-407



**DEVELOPMENT
PERMIT
APPLICATION SET**

UPDATED MAY 14, 2010

RE-ISSUED DP SET	05.14.2010
FOUNDATION BP SET	04.23.2010
50% CD SET	03.26.2010
ISSUED FOR CONSTRUCTION	03.15.2010
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15% CD SET	01.29.2010
Drawing Issue	Date

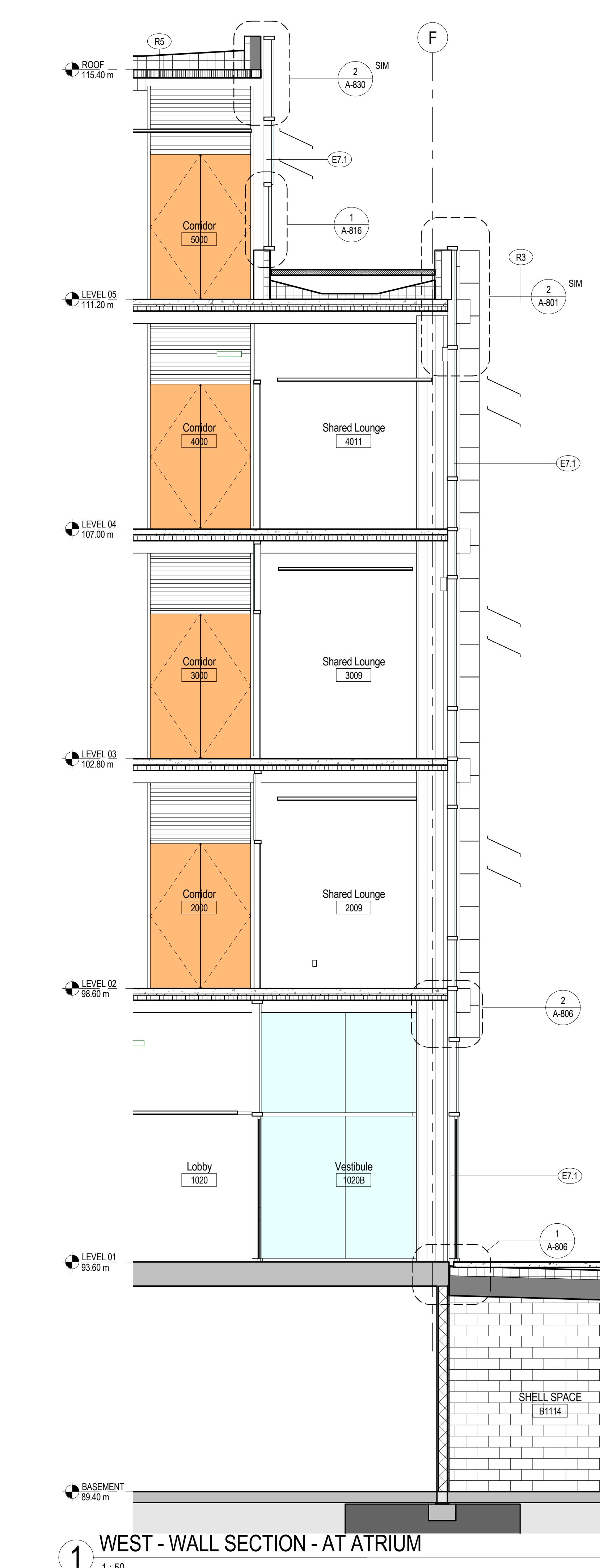
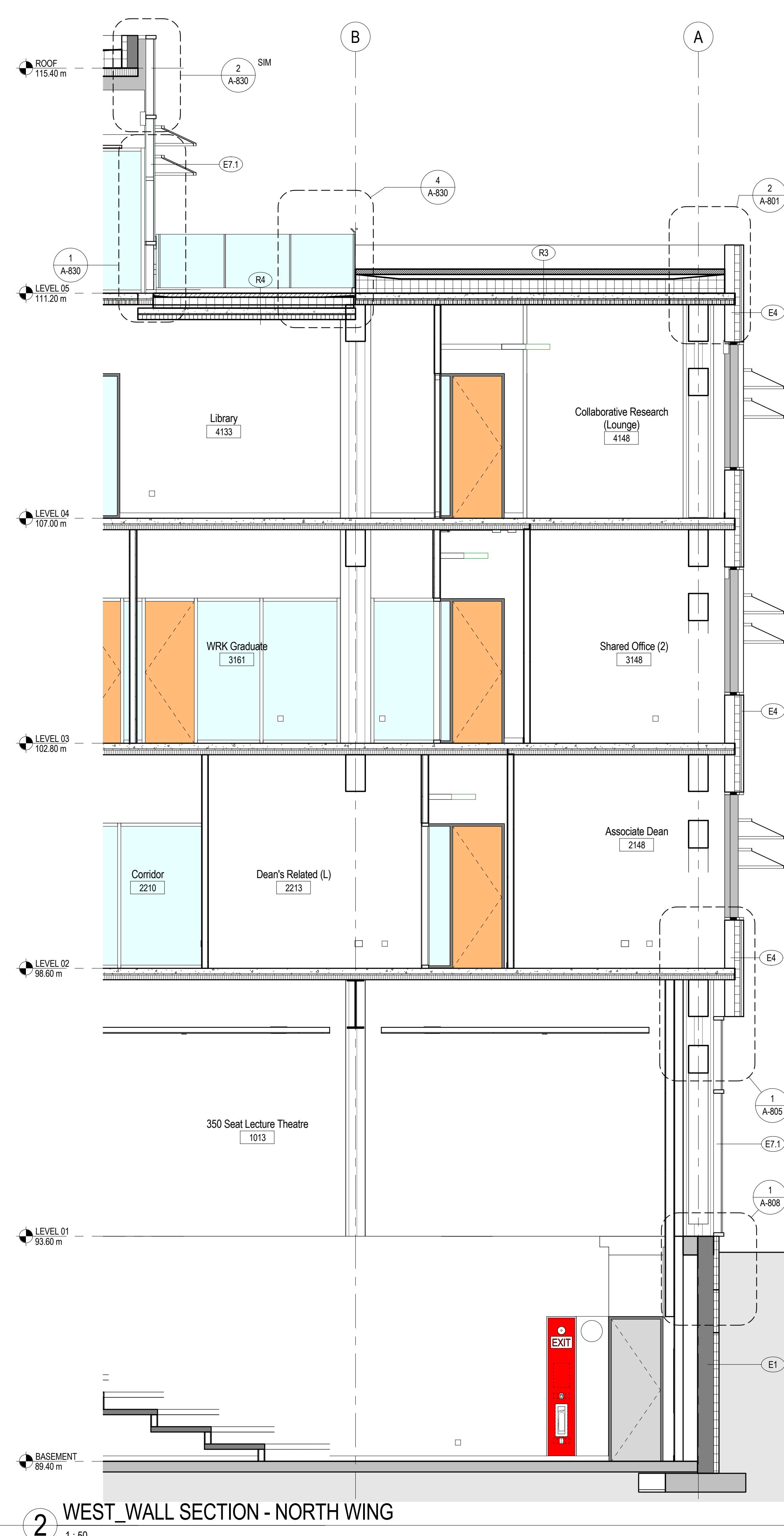
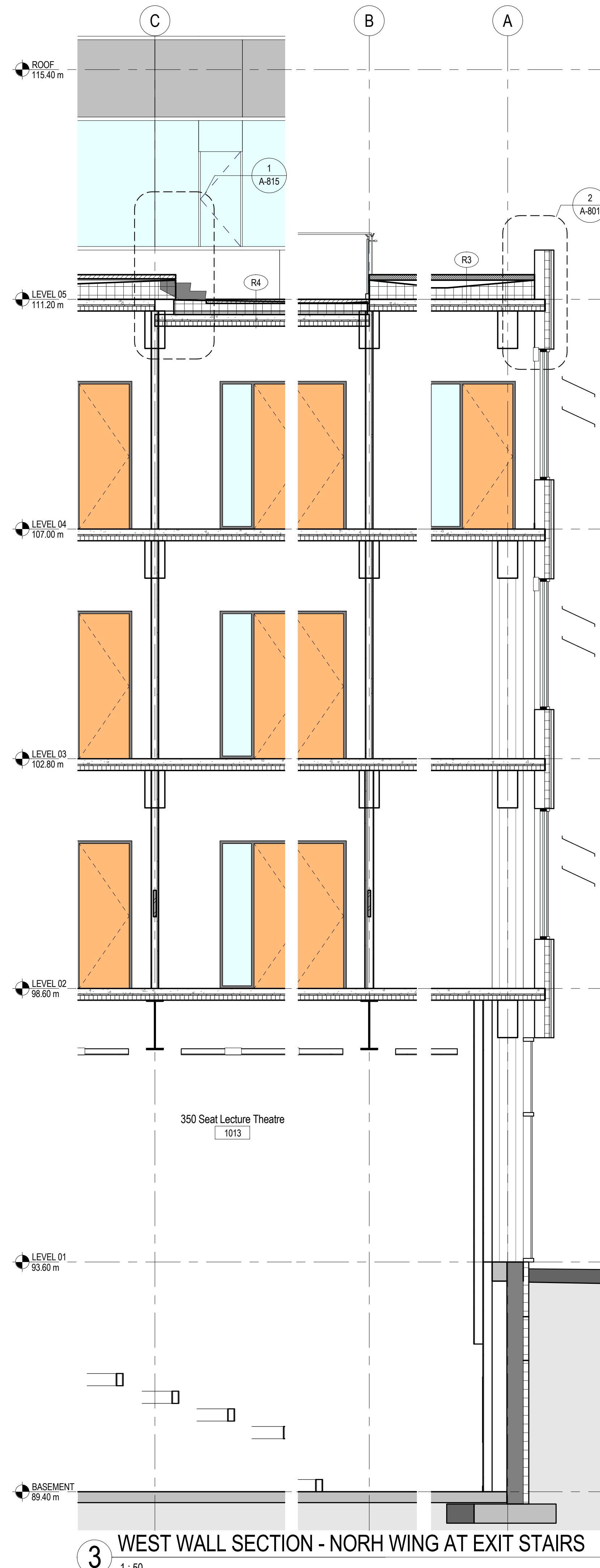
Revisions

NO	ISSUE	DATE
Sheet Information		
Date	MAY 14, 2010	
Job Number	410920	
Drawn	Author	
Checked	Checker	
Approved	Approver	
Title		

**WALL SECTIONS -
WEST**

Sheet

A-408



**ESSB - EARTH
SYSTEMS SCIENCE
BUILDING**

**UBC PROPERTIES
TRUST**

UNIVERSITY OF BRITISH COLUMBIA
2207 MAIN MALL
VANCOUVER, BC
CANADA

**DEVELOPMENT
PERMIT
APPLICATION SET**

UPDATED MAY 14, 2010

RE-ISSUED DP SET	05.14.2010
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RE-ISSUED DP SET	02.02.2010
15% CD SET	01.29.2010
Drawing Issue	Date

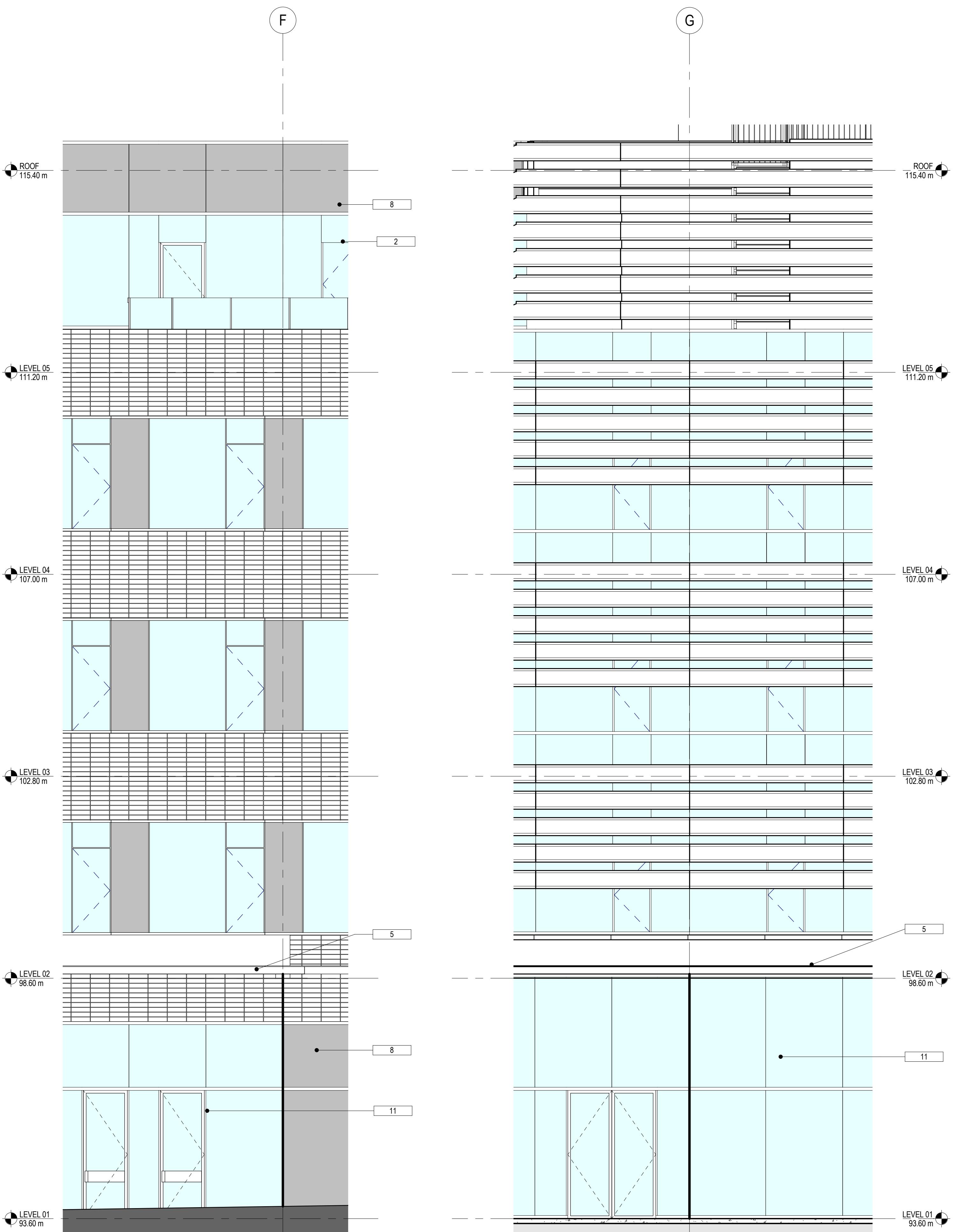
Revisions

NO	ISSUE	DATE
Sheet Information		
Date	MAY 14, 2010	
Job Number	410920	
Drawn	Author	
Checked	Checker	
Approved	Approver	
Title		

**ELEVATIONS NORTH /
SOUTH**

Sheet

A-420



**DEVELOPMENT
PERMIT
APPLICATION SET**

UPDATED MAY 14, 2010

RE-ISSUED DP SET	05.14.2010
FOUNDATION BP SET	04.23.2010
50% CD SET	03.26.2010
ISSUED FOR CONSTRUCTION	03.15.2010
RE-ISSUED DP SET	02.19.2010
ISSUED FOR TENDER	02.02.2010
RE-ISSUED DP SET	02.02.2010
15% CD SET	01.29.2010
Drawing Issue	Date

Revisions

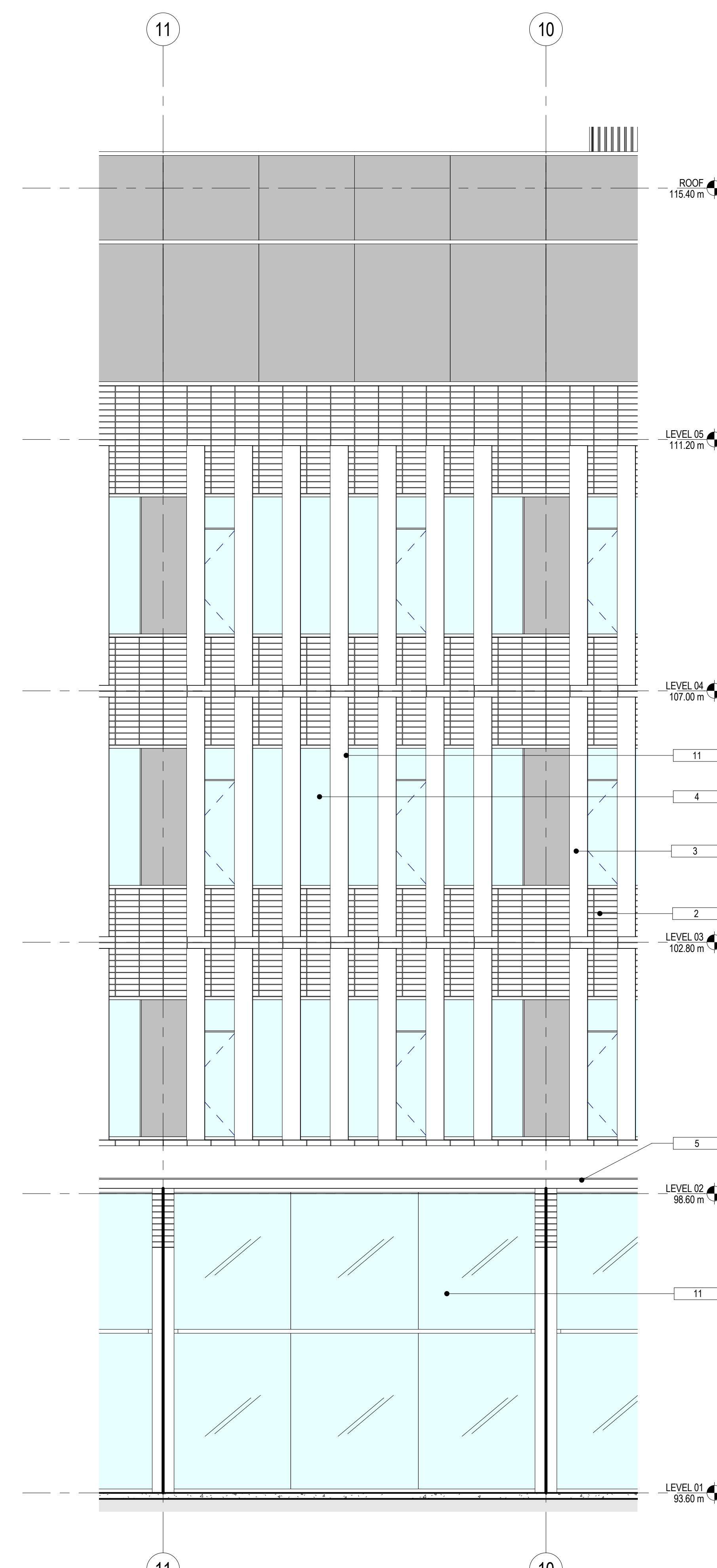
NO	ISSUE	DATE
Sheet Information		
Date	MAY 14, 2010	
Job Number	410920	
Drawn	Author	
Checked	Checker	
Approved	Approver	
	Title	

ELEVATIONS EAST

Sheet

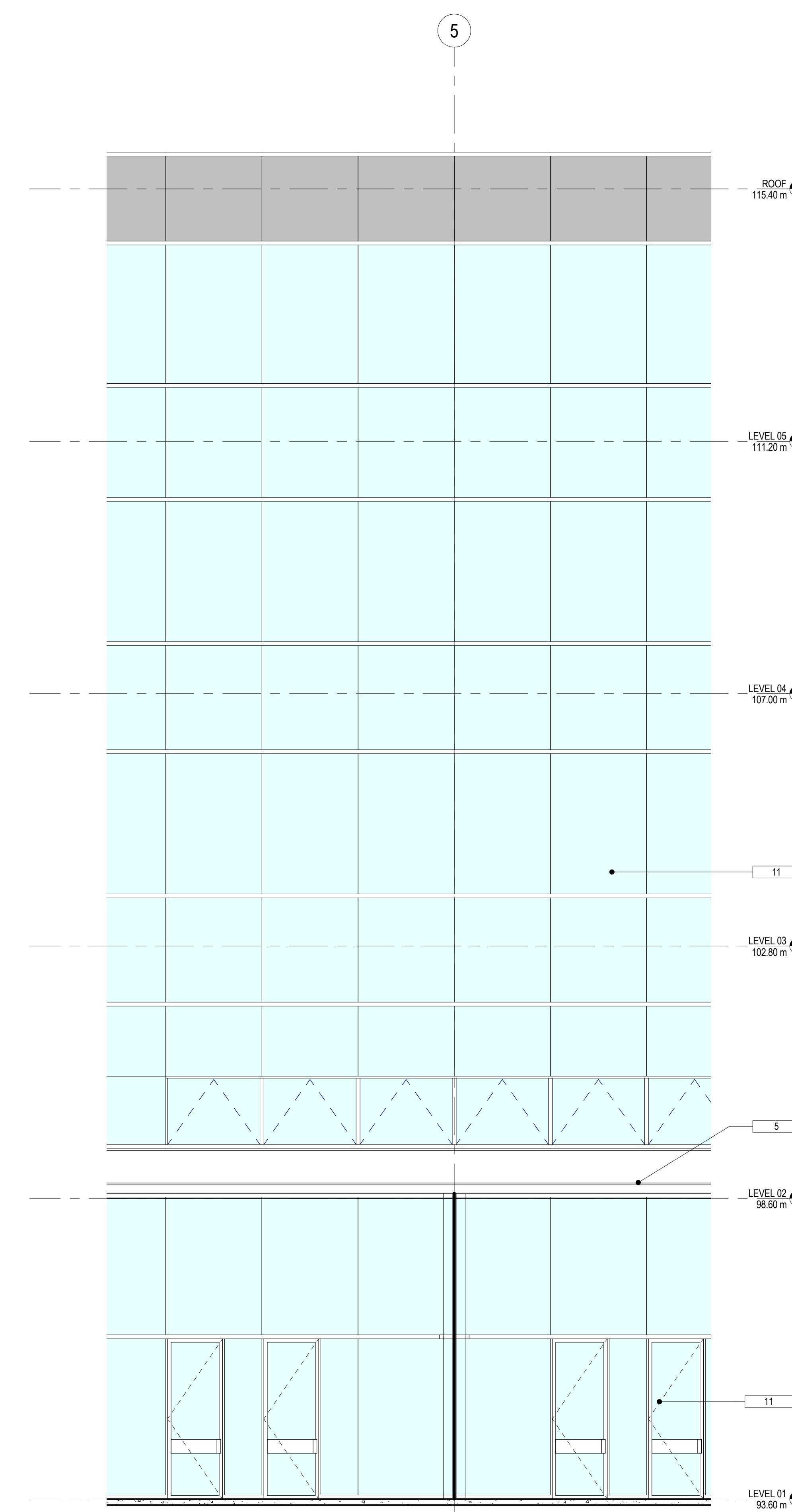
A-421

KEYNOTE LEGEND	
2	CONCRETE MASONRY UNITS
3	FIXED TRANSLUCENT GLASS SOLAR SHADING
4	WINDOW WITH LOW E GLAZING
5	WOOD CANOPY
11	CURTAIN WALL WITH LOW E GLAZING



2 EAST - ELEVATION - TYPICAL

1:50



1 EAST - ELEVATION - ATRIUM

1:50

**DEVELOPMENT
PERMIT
APPLICATION SET**

UPDATED MAY 14, 2010

RE-ISSUED DP SET	05.14.2010
FOUNDATION BP SET	04.23.2010
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15% CD SET	01.29.2010
Drawing Issue	Date

Revisions

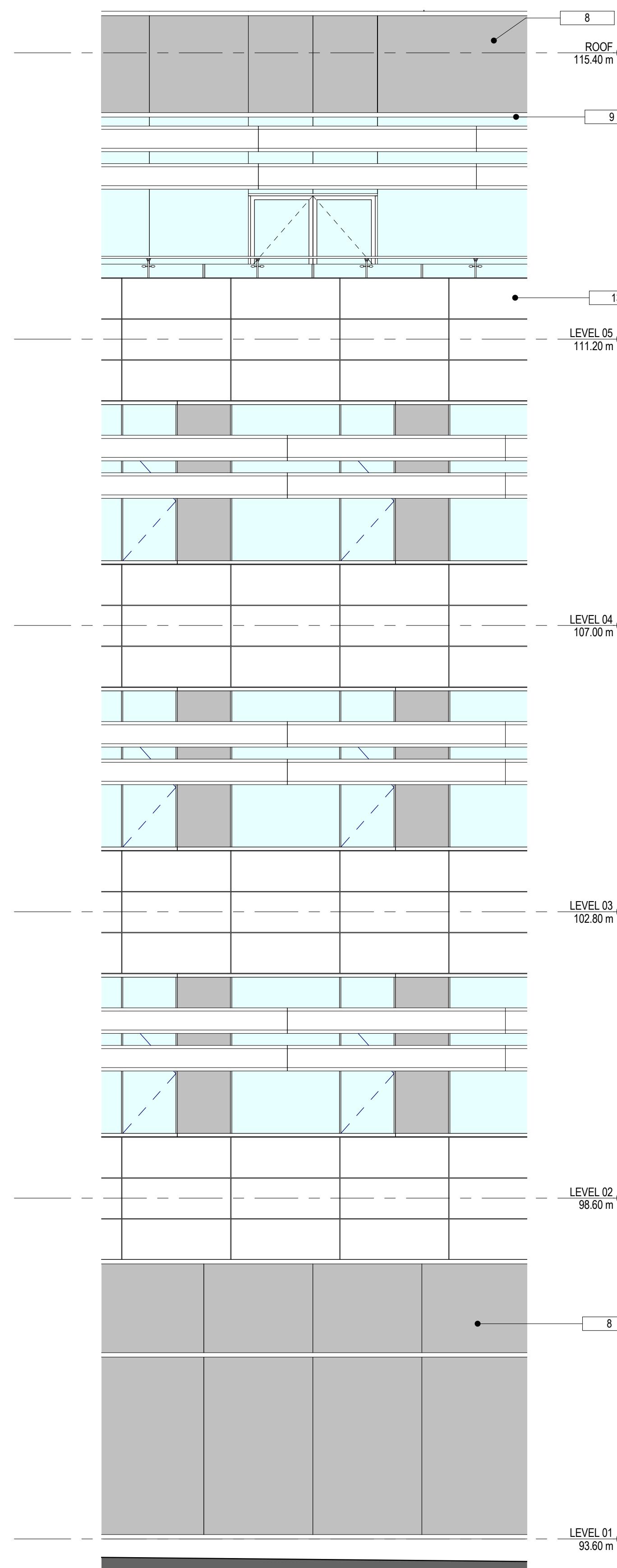
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Date	MAY 14, 2010	
Job Number	410920	
Drawn	Author	
Checked	Checker	
Approved	Approver	
	Title	

ELEVATIONS WEST

Sheet

A-422

KEYNOTE LEGEND	
8	OPAQUE GLASS SPANDREL
9	FIXED ALUMINUM SOLAR SHADING
11	CURTAIN WALL WITH LOW E GLAZING
13	CLADDING PANELS



2 WEST - ELEVATION - TYPICAL
1:50



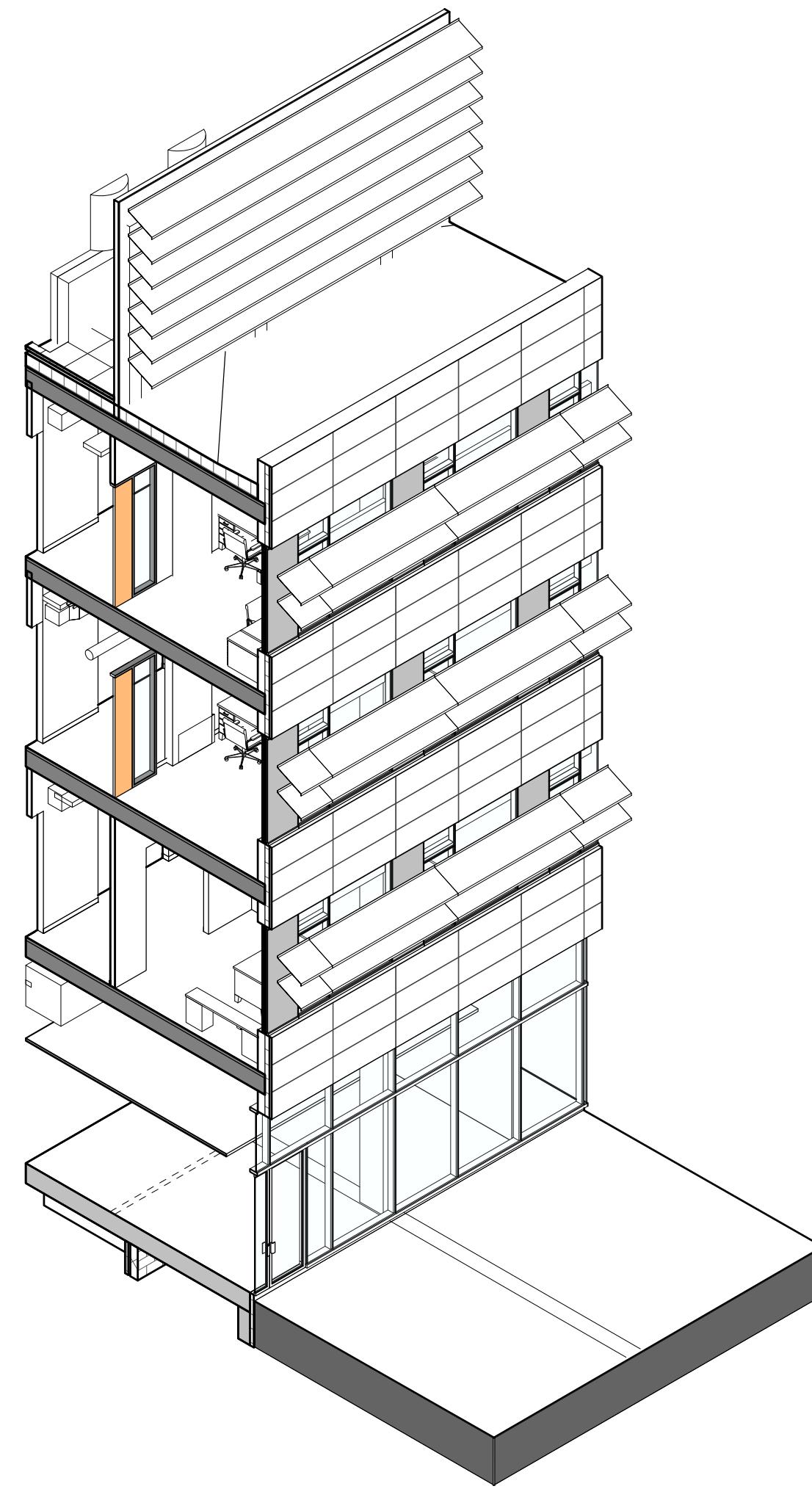
1 WEST - ELEVATION - AT ATRIUM
1:50

**DEVELOPMENT
PERMIT
APPLICATION SET**

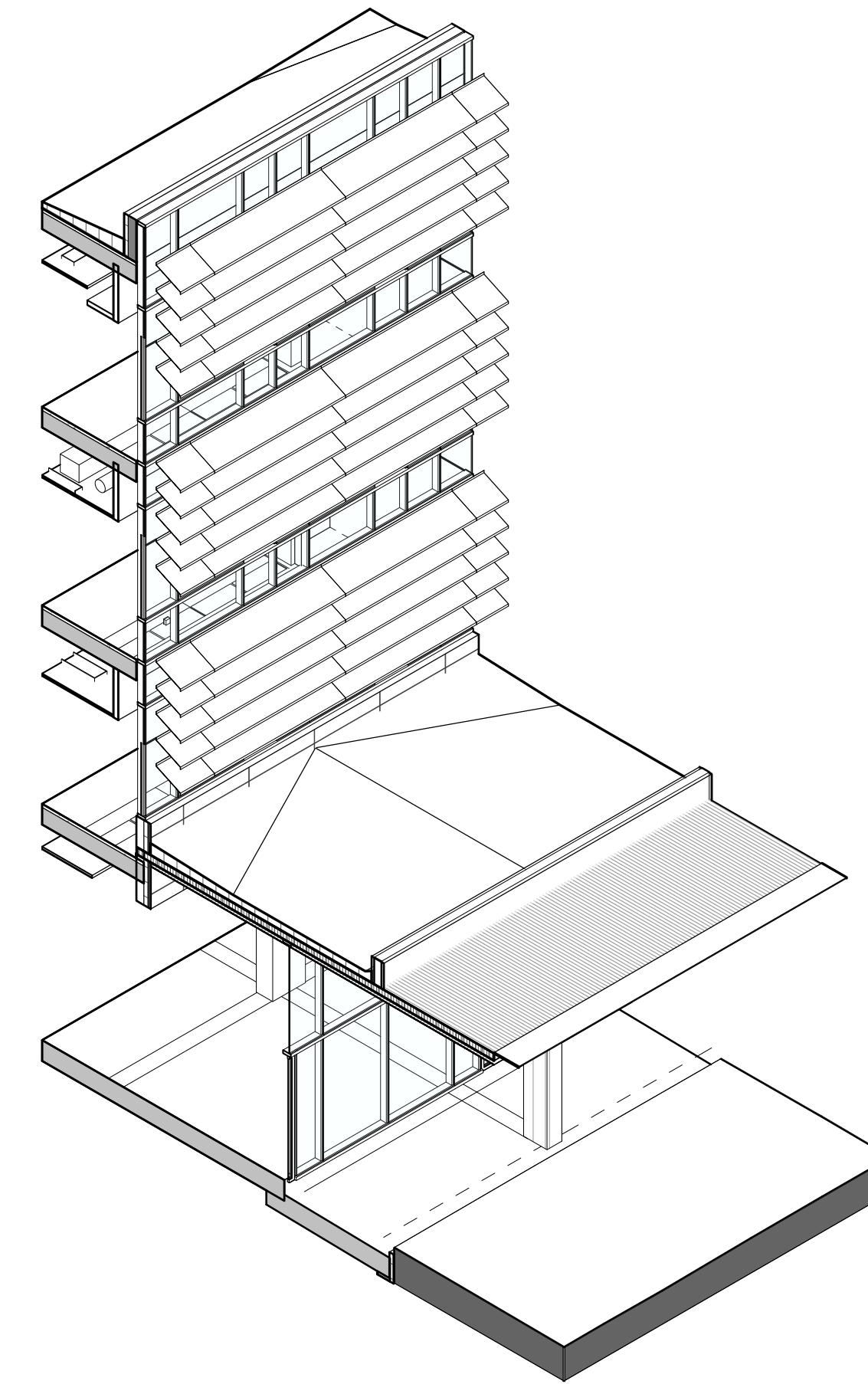
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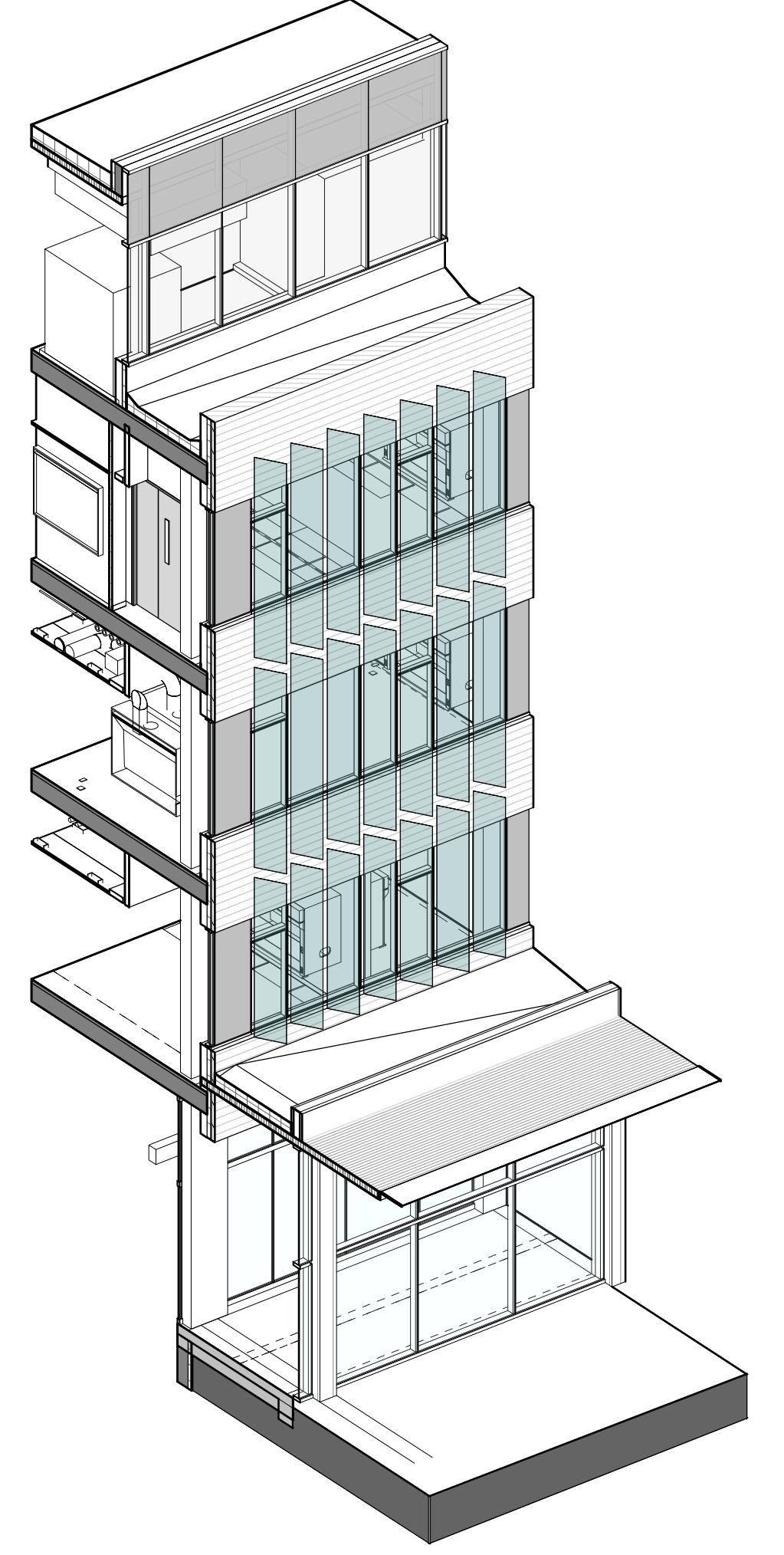
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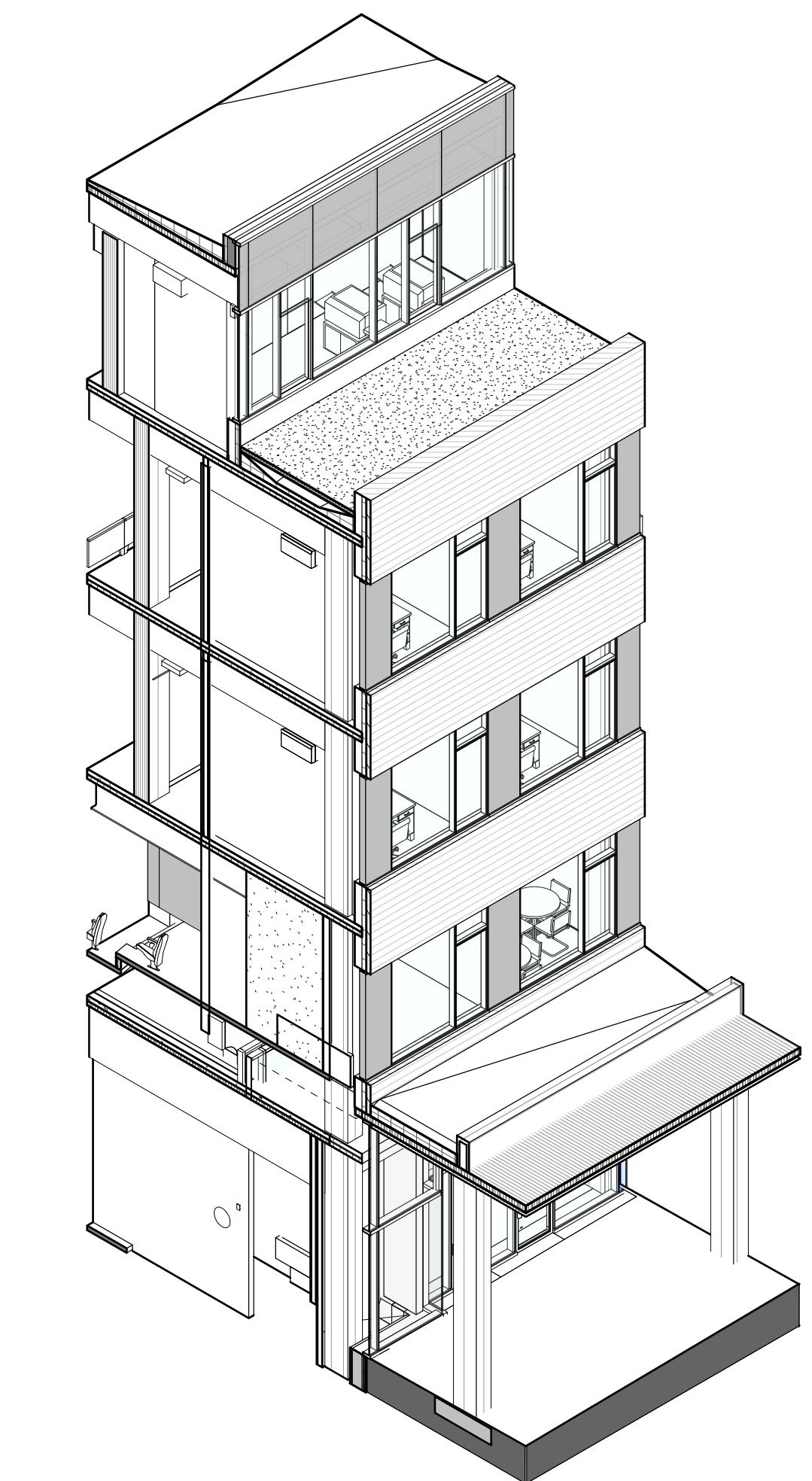
③ WEST WALL DETAIL



② SOUTH WALL DETAIL



① EAST WALL DETAIL



④ NORTH WALL DETAIL

NO	ISSUE	DATE
Sheet Information		
Date		MAY 14, 2010
Job Number		410920
Drawn		Author
Checked		Checker
Approved		Approver
Title		

**A X O N O M E T R I C W A L L
S E C T I O N S**

Sheet

A-440